

Maksym Prykhodko

intermedia artist : composer : maker

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Education

University of Maryland, Baltimore County, Baltimore, MD – 2018 - 2021

M.F.A. in Intermedia and Digital Arts

University of Wisconsin-Milwaukee, Milwaukee, WI – 2012 - 2016

B.F.A in Music, Composition and Technology

Principal teachers: Kevin Schlei, Christopher Burns, Jonathan Monhardt

Honors and Awards

Graduated with High Honors – 2016

University of Wisconsin-Milwaukee, B.F.A. in Music Composition and Technology

Undergraduate Research Travel Award – 2016

University of Wisconsin-Milwaukee, Office of Undergraduate Research

Professional Experience

MakerSpace Manager – 2022 – present

Chesapeake Arts Center, Brooklyn Park, MD

Manager of CAC's Michael Stanley MakerSpace. Duties include creating procedures, policies, upholding safety standards, scheduling trainings/workshop and other programming. Generally being an advocate of MakerSpaces and making, networking, bringing more makers into the space, while offering events for makers to share their work.

Adjunct Faculty – 2021 – 2023

University of Maryland, Baltimore County, Baltimore MD

Instructing various courses, including art 210/212, 2D and 3D concepts. Duties include lesson planning, purchasing of materials, providing in-class assistance to students, and general teaching. Brainstorming, grading, and providing feedback is also a significant aspect of the job.

Community College of Baltimore County, Catonsville, MD

Instructor in CCBC's Fab Lab

Teaching continuing education digital fabrication courses including laser cutting, CNC machining, and 3D printing

Instructor in Machining Department

Teaching courses in Industrial Mathematics and Machine Trades Print Reading; includes basic arithmetic, algebra, plane geometry, and trigonometry; print reading includes understanding of shape visualization, line usage, title blocks and notes, contours, holes, as well as other details

Instructor – 2022 - 2022

Open Works, Baltimore, MD

Instruct laser cutting courses, including vector design, file setup, and fabrication

Tech Center Coach – 2021 - 2022

Digital Harbor Foundation, Baltimore, MD

Teach children digital literacy skills in after school program via hands-on approach and direct example-based instruction; range of skills varies from Google Suite, GIMP, Scratch, 3D modeling in Glitch, and 3D printing of models

Lead in the Future of Work summer programs, working with teens to develop their technology skills (Google Suite/Tinkercad/Glitch) as well as develop prototypes for real-world solutions for Baltimore neighborhoods and parks

Graduate Research Assistant – 2018 - 2021

University of Maryland Baltimore County, Baltimore, MD

Teaching Assistant

Teaching university courses, both online and in-person; instructing Visual Concepts 3 (ART 212), a hands-on 3D sculpture art class in which the students work with simple materials including cardboard, wire, and found objects, as well as in 3D space (SketchUp); assignments include a variety of projects, writing activities, discussions, and group critiques

Duties are not limited to, but include planning of course material, instructing, grading, and providing feedback to students to ensure they succeed in the course and gain knowledge which they can carry with them throughout their continued art practice

Fabrication Lab Technician

Duties include general maintenance of fabrication lab, as well as equipment including the laser cutter, CNC router, vinyl cutter, audio lab, electronics and computer lab; other duties include equipment training/instruction; expertise in design software (Illustrator, Inkscape); maintaining standards of safety (sign fabrication, outlining safe areas, and providing documentation regarding safe materials); building/prototyping as part of personal projects and/or IMDA faculty-directed projects

COMMONVISION 3D Printing Area Technician

Expertise with 3D printing, including equipment maintenance; 3D modeling (Cinema4D); instruction/training on equipment; troubleshooting; and customer support;

Much of research is self-directed and relies on ability to find practical solutions for confusing problems; maintenance duties include management of multiple 3D printers (Prusa i3 MK3S, LulzBot Taz 6, and M3D Micro+), as well as manual

building/upgrading of existing printers, replacing/printing new parts, troubleshooting, and tinkering; other expertise includes knowledge/familiarity regarding types of 3D printing, variety of filaments, applications of practice, and documentation of prints/manuals/guides

Freelance Fabricator – 2016 – present

Corrie Parks, Baltimore, MD – 2021 – present

Chief engineer for *Embodied Ice* installation, includes creation of back-end software, research, programming, and execution

Area 405, Baltimore, MD – 2019

Fabrication of room and exit/evacuation signage; designing, laser cutting, sanding and finishing

Akron Children's Museum, Akron, OH – 2018

Design of significant Akron landmarks for interactive children's exhibit

Exhibition Fabricator – 2016 – present

Irish Railroad Workers Museum, Baltimore, MD – 2021 – 2021

Updating of *Famine Ships* exhibit; including new electronics, code, and touch panel

John Ruppert's *LAB: Empirical Evidence: John Ruppert* – January 31st, 2019 - March 16th, 2019

University of Maryland, Baltimore County, Baltimore MD

CNC fabrication of supplementary materials for exhibition; construction of physical electronics for interactive element

Caitlin Marie Driver's *As Within, So Without* – May 12th, 2017

Assembling/troubleshooting electronics portion of thesis

Recording Engineer – 2016 - 2018

University of Wisconsin-Milwaukee, Milwaukee, WI

Recording coordinator of UWM's University Band, Symphony Band, and Wind Ensemble concerts; includes recoding, audio editing, burning CDs, and other concert documentation

Music From Almost Yesterday Student Organization Coordinator – 2013 - 2016

University of Wisconsin-Milwaukee, Milwaukee, WI

Co-president, responsible for fundraising, organizing, marketing, and promoting student Composition and Technology concerts each semester; responsible for technology setup, audio/video recording, editing, and documentation of concerts

Conferences

International Conference of Chinese Computer Human Interaction – June 2019

Xiamen University, Xiamen, China

Exhibition of *condition zero*

Graduate Experience, Achievements and Research Symposium (GEARS) – March 2019
University of Maryland, Baltimore County, MD
Exhibition of *shout*

Society of Composers Inc, Student National Conference – November 2016
Ball State University, Muncie, IN
Performance of *ten minutes*

National Student Electronic Music Event – March 2015
Bowling Green State University, Bowling Green, OH
Performance of *Constants and Variables*

Talks and Presentations

Music Composition and Technology Colloquium – December 2016
University of Wisconsin-Milwaukee, Milwaukee, WI
Premiere of *ten minutes* at Society of Composers Inc.

Music Composition and Technology Colloquium – April 2015
University of Wisconsin-Milwaukee, Milwaukee, WI
Premiere of *magnavox* at Music From Almost Yesterday Concert

Hardware Expertise

Digital Fabrication

3D Printing

Expertise with Original Prusa i3 MK3S + MMU2S (Multi-Material Upgrade 2S), Cura LulzBot Taz 6, and M3D printers; familiarity with printer anatomy and functionality as well as maintenance (cleaning/wiping/upgrading) to ensure smooth continued operation; other duties include 3D design (Cinema 4D), troubleshooting, custom-orders for clients, and customer support

CNC

Expertise with CNC Shopbot; types of end mills, feeds/speeds, diversity of materials, digital design; prioritization of safety, maintenance, troubleshooting, and project planning/execution

Laser cutter

Expertise in laser cutting workflow, working with diversity of materials (wood/acrylic especially); power/speed/ppi settings; prioritization of safety (smoke/fire/harmful gases); maintenance/replacement of parts, designing vector/raster files and project-specific planning and execution

Vinyl cutter

Experience with vinyl cutter workflow; design/fabrication of vector files; transfer of cut vinyl to appropriate project area

Electronics

Arduino

Programming (C/C++), prototyping, reading schematics, building circuits

BeagleBone

Programming Bela cape (Pd), prototyping, reading schematics, building circuits

Physical electronics (general)

Building physical circuits (amplifiers, synthesizers, etc); reading/drawing schematics, designing and printing PCB boards; familiarity with common components; rapid prototyping; soldering; hacking existing circuits (radios, tape players, etc)

Film and Video

Experience with DSLR cameras (Nikon/Canon); familiarity with overall functions of camera; shooting modes, ISO/aperture/shutter speed, file formats; digital editing and post-processing (Photoshop)

General Tools

Familiarity with common tools, power tools; drivers, bits, miter compound saw, table saw, sanders, drill press; practice of general safety when working with all tools

Sound

Expertise with audio; recording, editing; knowledge on studio equipment including: mixers, patch bays, microphones, audio interfaces (DACs), keyboards, and general audio workflow

Software Expertise

3D Design/Printing

Cinema 4D, SketchUp, Cura LulzBot; prusaSlicer, Autodesk Meshmixer

Circuit Board Design

EAGLE, Fritzing

Design/Video

Adobe: Photoshop, Illustrator, Premiere Pro, Bridge; Apple: Final Cut Pro X

Music Notation

Finale; Sibelius; Guitar Pro 6

Audio Production and Mixing

MOTU: Digital Performer 9, MachFive3; Apple: Logic Pro X; Native Instruments: Absynth, FM8; Adobe Audition; Amadeus Pro, Audacity, BIAS Peak Pro, SoundHack

Programming

Max, Pure Data, Arduino (C/C++), Processing (Java), BeagleBone Bela (Pd), Xcode (Swift), Cyril (Cyril), Fluxus (Lisp)

Exhibitions

FabLab Baltimore Showcase – September 16th, 2022 – December 2nd, 2022

The Gallery at CCBC Catonsville

Exhibition of *parasonic* and *plaything*

Home Bodies – April 13, 2021 – May 7, 2021

Center for Art Design and Visual Culture, Baltimore, MD

Virtual exhibition: homebodies.work

Exhibition of *American Boy*

Honey Hands: A Digital Juried Exhibition – April 3, 2020

Virtual exhibition: <https://www.yourstrulymke.com/honey-hands>

Exhibition of *separation anxiety*

School 33 Art Center's 31st Annual Open Studios Tour – October 26th - 27th, 2019

The Lion Brothers Building, 875 Hollins St, Baltimore, MD

Exhibition of general projects/works-in-progress

Mom Told Me to Go Play Downstairs – October 11th, 2019

Findfurnish, 13 5th St NE, Minneapolis, MN

Exhibition of *plaything*

Mom Told Me to Go Play Downstairs – July 26th, 2019

Yours Truly Gallery, 833 E Center St, Milwaukee, WI

Exhibition of *plaything*

Hands-On: A Collective Haptic Experience – March 22nd - 24th, 2019

Pancake House, 4553 S. 34th Ave, Minneapolis, MN

Exhibition of *plaything*

WAS YOUNG: crayons in the ashtray – August 10th, 2018

Yours Truly Gallery, 833 E Center St, Milwaukee, WI

Exhibition of *three noisemakers*

School 33 Art Center's 30th Annual Open Studios Tour – October 13th - 14th, 2018

The Lion Brothers Building, 875 Hollins St, Baltimore, MD

Exhibition of *shout* and *parasonic*

Art+Tech Exhibition – January 5th - February 3rd, 2018

Var Gallery & Studios, 643 S 2nd St, Milwaukee, WI

Exhibition of *shout*

Maker Faire Milwaukee – September 28th - 30th, 2018
Wisconsin State Faire Park Exposition Center, West Allis, WI
Exhibition of *three noisemakers*

Maker Faire Milwaukee – September 23rd - 24th, 2017
Wisconsin State Faire Park Exposition Center, West Allis, WI
Exhibition of *shout*

Selected Musical Works

(* = recording available)

condition zero – 2019 (2-channel fixed media)*

International Conference of Chinese Computer Human Interaction – June 2019
Xiamen University, Xiamen, China

Bloodsquirt XL – 2018 (2-channel fixed media)*

Online web-series: <https://www.youtube.com/playlist?list=PLfntEQOUywfZ6qh2LtonjuL1SuzCqidfj>
Alex Smith, filmmaker

stroma complex – 2017 (five-person improvisation with visuals)*

Experimental Improvisation Concert – May 6, 2017
University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

Sprawl – 2017 (2-channel fixed media)*

Blair Wright, filmmaker

dead wisconsin – 2017 (2-channel fixed media)*

Bandcamp: <https://bicephalicrecords.bandcamp.com/album/dead-wiscnsn-remix-ep>
Remix of August Traeger's *dead wisconsin*

ten minutes – 2016 (live 2-channel algorithmic process)*

SCI Student National Conference – November 19, 2016
Ball State University, Muncie, IN
Music From Almost Yesterday Student Composition Concert – November 17, 2016
University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

The Strange Elizabethans – 2016 (2-channel fixed media)*

Michael Frank, film

Amorphous – 2016 (2-channel fixed media)*

Josh Wolf, film

tea-rings – 2016 (five-person structured improvisation)*

Maksym Prykhodko: a-radio-with-guts Senior Recital – May 2, 2016
University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

the-flutter-of-wings – 2016 (three modified Atari Punk Consoles)*

Art+Tech Exhibition – January 19, 2018

Var Gallery & Studios, 643 S 2nd St, Milwaukee, WI

Maksym Prykhodko: a-radio-with-guts Senior Recital – May 2, 2016

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

a-radio-with-guts – 2016 (three circuit-bent radios)*

Maksym Prykhodko: a-radio-with-guts Senior Recital – May 2, 2016

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

magnavox – 2015 (wii-remote-controlled live processing)*

Music From Almost Yesterday Student Composition Concert – April 14, 2016

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

kitchen militia – 2015 (8-channel fixed media)*

Maksym Prykhodko: a-radio-with-guts Senior Recital – May 5, 2016

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

monochrome – 2015 (solo clarinet)*

Maksym Prykhodko: a-radio-with-guts Senior Recital – May 5, 2016

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

Music From Almost Yesterday Student Composition Concert – November 12, 2015

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

Zvook (Sound) – 2014 (2-channel fixed media)*

Maksym Prykhodko: a-radio-with-guts Senior Recital – May 5, 2016

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

Music From Almost Yesterday Student Composition Concert – April 17, 2014

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

Constants and Variables – 2014 (8-channel fixed media)*

National Student Electronic Music Event – March 6, 2015

Bowling Green State University, Bowling Green, OH

Selected Musical Performance Activity

Unrehearsed Milwaukee – 2016 - 2018

West End Conservatory, Milwaukee, WI

FTAM Experimental Education Series presents Hennies/Zeh – November 4th 2017

Jazz Gallery Center for the Arts / Riverwest Artists Association, Milwaukee, WI

Seed Sounds – July 16, 2017

Jazz Gallery Center for the Arts/Riverwest Artists Association, Milwaukee, WI

Experimental Improvisation – 2015 - 2017

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

Fuzzy Tongue Inc – November 26, 2016

Riverwest Public House Cooperative, Milwaukee, WI

MiLO: The Milwaukee Laptop Orchestra

Sensoria: Experiments in Time-based Media and Performance – October 22, 2016

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

Maker Faire – September 24, 2016

Wisconsin State Fair Park, Milwaukee, WI,

TORCH: the Tablet Orchestra – 2015

Kenilworth Open Studios – April 9, 2015

University of Wisconsin-Milwaukee, Kenilworth Square East, Milwaukee, WI,

Unruly Music Festival – February 4, 2015

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

Contemporary Music Ensemble – 2014 - 2015

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

Music From Almost Yesterday Student Composition Concert – 2013 - 2016

University of Wisconsin-Milwaukee, Peck School of the Arts Recital Hall, Milwaukee, WI

Electro-Acoustic Salon – 2013 - 2015

University of Wisconsin-Milwaukee, Milwaukee, WI

Other Skills

Embroidery/Domestic Sewing Machine

Cross stitching; designing/execution of patterns, color matching; knowledge of stitches, needles/floss, hoops and other stitching methodologies; experience with Ukrainian embroidery, competency in domestic machine sewing, fabric pattern matching, fabric grain and weave

Language

Fluency in Russian, competency in Ukrainian