

**John Harrison**

3913 N. Rushwood St.  
Wichita, KS 67226 USA

phone: (316) 208-4925

email: john.harrison@alum.mit.edu

URL: <https://johnharrison.cc>

**STATEMENT OF INTEREST**

As a musician, artist, entrepreneur, engineer, and educator, I am passionate about collaborating in a diverse community to create beauty and to strengthen and enrich our world.

**QUALIFICATIONS****Artistic**

- Classically-trained violinist. Toured internationally under professional management
- Experience in creating and collaborating with diverse populations designing and implementing art installations.

**Technical**

- Applied knowledge in Computer languages: C/C++, Python, Pure Data, PHP, OpenGL, MySQL, js, Java, Assembly., etc.
- Extensive development of native and hybrid mobile applications using web frameworks
- Solid background with \*nix OS and servers, writing scripts, sysadmin, etc.
- Extensive experience with Microchip, Espressif microcontrollers
- Expertise designing and prototyping analog and digital circuitry

**Teaching**

- Knowledge in creating student collaborations across disciplines
- Applied experience with progressive education, project-based learning, and mixed disciplinary learning models.

**Leadership/ Management**

- Experience leading academic and professional teams of diverse groups in multiple disciplines
- Strong background securing funding for multiple projects
- Application of Scrum/Agile inside and outside technical disciplines
- Practical understanding of lean manufacturing

**REFERENCES**

*Available upon request*

## EXPERIENCE

### **2021 - present Adjunct Faculty: Wichita State University**

Work with students in WSU's experimental multidisciplinary capstone engineering course.

### **2021 - present Founder: Together Technologies**

Design and execute installations integrating art and technology under the name TechArtICT. Consult for electrical and computer engineering projects. Design and implement interactive commercial installations.

### **2015 - 2021 Founder and CEO: Technology for Humankind**

Founded and operated Technology for Humankind LLC DBA Filimin. Invented, designed, developed manufacturing processes for Filimin's flagship product, the Friendship Lamp. Oversaw more than 40 employees manufacturing, marketing and supporting Filimin products.

### **2012 - 2015 Co-Founder and vice-President: MakeICT**

Provided vision, structure, and organizational models for MakeICT, Wichita's first makerspace. MakeICT is a community of over 400 members where creatives of various disciplines learn and build unique works together. The community is completely volunteer-driven.

### **2011 - 2014 Faculty: Wichita State University College of Engineering**

Taught Introduction to Engineering, Capstone Senior Design, Service Learning, and programming courses in electrical and computer engineering. Provided vision, design, and implementation of Senior Design Lab, offering a new vision integrating interdisciplinary problem-based applied learning with community models.

### **2008 - 2011 Computer/Electrical Engineer: PWI, Inc.**

Worked as part of a team writing code for embedded systems, designing prototypes, building test systems, and implementing production methods for various analog and digital electronics.

### **2008 - 2014 Founder, Collaborator: Hack.Art.Lab**

Organized a team of artists, educators, technologists, and engineers to provide an unconventional environment for learning, exploration, and the creation of kinetic contemporary art. Exhibited in Kansas City MO, Richmond VA, Nashville TN, São Paulo, Brazil as well as various venues in Wichita and KS.

### **1998 - 2018 Concertmaster: Wichita Symphony Orchestra**

Performed and soloed with Wichita Symphony Orchestra, a prominent regional orchestra.

### **2005 - 2008 Founder & Director: CRATEL at WSU College of Fine Arts**

Established Wichita State University's Center for Research in Arts, Technology, Education and Learning (CRATEL), a multi-disciplinary design studio and academic lab. Sponsored student-driven projects such as video synthesizers, new percussion instruments, and an Internet radio station.

### **1998- 2008 Wichita State University: Associate Professor of Violin Fairmount String Quartet: First Violin**

Served as tenured Professor. Initiated string improvisation program and international partnership, Sharing Music Sharing Culture. Toured with faculty string quartet.

## EDUCATION

2005	Massachusetts Institute of Technology (Media Lab), M.S. Media Arts and Sciences
1989-92	Cleveland Institute of Music, Bachelor of Music
1989-92	Case Western Reserve University, Candidate for B.S. in Computer Science
1986-89	Eastman School of Music, Candidate for Bachelor of Music
1986-89	University of Rochester, Candidate for B.S. in Computer Science