

John Ramus

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About Me

I am a non-traditional college student trying to make a shift into a high-tech career. My previous career in the live music industry gave me hands on experience with analog electronics and digital communication. In Addition, being a lifelong musician has given me motivation to study electronics as a hobbyist. I began repairing my own equipment out of necessity, then modifying it for fun. In my spare time I build guitar effects pedals, analog synths, and vacuum tube amplifiers. My long term goal is to find myself in a new career that incorporates elements of my passions, where I can grow and contribute meaningfully to solving complex technical challenges.

Work Experience

Oregon State University Undergrad Learning Assistant; College of EECS Corvallis, OR
September 2025 — Present

- Teaching students in Python programming labs.
- One-on-one tutoring in C operating systems programming.
- Coordinating responsibilities with professors and the ULA team.

LJ Productions: Audio Engineer, Shop Manager, Repair Technician San Jose, CA
September 2016 — August 2021

- Managed crews of union stagehands to properly deploy large scale PA and wireless audio systems at live events.
- Worked collaboratively with teams to design and install permanent audio systems in theaters and office settings.
- Communicated directly with brand representatives for sales quotes and RMA requests.
- Serviced and repaired company, and client equipment.

Studio Instrument Rentals: Backline Technician, Repair Technician San Francisco, CA
June 2011 — September 2016

- Serviced and repaired vacuum tube and solid state audio amplifiers.
- Provided on-site management of equipment at national music festivals.
- Worked as part of inter-organizational teams to make live music and corporate events come to fruition.

Education

BS* **Oregon Sate University**, Electrical and Computer Engineering Fall 2024 —
* *in progress*

- GPA: 3.81
- **Coursework:** CMOS Integrated Circuits, PCB Design, Operating Systems, Signal Processing

AS **Chemeketa Community College** Spring 2023 — Summer 2024

- GPA: 3.88
- **Coursework:** General Engineering, Electrical Fundamentals, Computer Science, Mathematics

Technologies

Languages: Python, C++, C, Lisp, Verilog, \LaTeX , MIPS, NASM

Software: Cadence, KiCad, LTspice, Vim, FreeRTOS, GNU/Linux, XNU/Darwin, FreeBSD, Illumnos, PfSense, Cisco, Ubiquiti, Sure Wireless