Pranavi Boyalakuntla

https://pranavi-boyalakuntla.com
Github: naviatolin

EDUCATION

Olin College of Engineering, Massachusetts - *ECE with Entrepreneurship*   SEPTEMBER 2018 - MAY 2022
- GPA: 3.7
- Courses: Analog to Digital Communications, Microcontrollers, Theory of Computation, Computer Architecture, Software Design, Microelectronic Circuits, User Experience Design,, Signals and Systems, Data Science

EXPERIENCE

Promaxo, California - *Engineering Intern*   JUNE 2019 - AUGUST 2019
- Automated high precision collection of magnetic field measurement data for image reconstruction in 3D space surrounding the Promaxo MRI
- Wrote an API to communicate with Festo motor controllers using Modbus communication protocol
- Built and debugged a programmable logic controller
- Contacted manufacturers to source parts for electrical research and development

MetaBronx, New York - *Mentor*   AUGUST 2020 - SEPTEMBER 2019
- Designed and managed a New York city accelerator's internship program
- Mentored interns in the world of software engineering and entrepreneurship

Green Line Ventures, Massachusetts - *Founding Partner*   DECEMBER 2020 - PRESENT
- Seed fund designed to promote student led startups in the Babson-Olin-Wellesley community
- Working with VC firm 500 Startups to set the fund up and design how the fund will operate
- Meeting founders, deciding on investments, and creating marketing materials

Catalyst at Olin College of Engineering, Massachusetts - *Board Executive*   DEC 2018 - PRESENT
- Cofounder of the Catalyst Entrepreneurial Fellowship at Olin College of Engineering, an initiative to provide seed funding and mentorship resources to Olin startups

Olin College of Engineering, Massachusetts - *Math Accessibility Researcher*   JUNE 2020 - AUGUST 2020
- Built online math explanations in JavaScript using the Explanaria library
- Scripted DEI video educating parents on potential hurdles in STEM education for their children

Olin College of Engineering, Massachusetts - *TA Positions*   JANUARY 2020 - PRESENT
- Quantitative Engineering Analysis 1 (2x), Software Design
- Bridge the gap between faculty and students by hosting office hours, grading, and scheduling individual helping times

Dassault Systèmes: SolidWorks, Massachusetts - *FABLAB Engineer Intern*   JUNE 2017 - AUGUST 2017
- Built a self sustaining vertical aquaponics system with another intern
- Wrote Arduino tutorials for the electronics station

SKILLS

Hardware: SolidWorks, KiCAD, FPGA, PLECS, Electrical Prototyping, 3D Printing, Arduino, LTSpice, PCB Design
Software: Python, OCaml, R, Verilog, MATLAB, Mathematica, Static Website Development, JavaScript
Other: Conducting User Interviews, Agile Scrum, Adobe - Illustrator, After Effects, Animate, Premiere Pro
Hobbies: Piano, Art, Hiking, Entrepreneurship, Meditation, Coffee, Boba

SAMPLE PROJECTS

Autem - Automatic scheduling application With GCal Integration: (https://naviatolin.gitlab.io/autem-fg/#)

Chrome Dinosaur Game in Assembly and Single Cycle CPU in Verilog - (https://github.com/naviatolin/Jumping-Dino-MIPS)

Analog 4-Bit Multiplier Using CMOS Transistors - (https://github.com/naviatolin/Circuits-Spring2020/blob/master/Final.%20Analog%204-Bit%20Multiplier%20with%20CMOS/An_Analog_Four-Bit_Multiplier_Using_CMOS_Transistors.pdf)