PRIDHVI MYNENI

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github.com/PMARINA

EDUCATION

Stevens Institute of Technology | Hoboken, NJ
Bachelor of Engineering, Computer Engineering   Expected May 2022
GPA: 3.74
Honors: Presidential Scholarship
Coursework: Intro Image Proc & Coding, Digital System Design, Materials Processing, Thermodynamics, Circuits and Systems, Data Structures & Algorithms, Microprocessor Systems, Microeconomics, Discrete Mathematics

SKILLS

Programming: Python (Profic.), Java (Profic.), C++ (Intermed.), ARMv6 Assembly (Intermed.), GDB (Intermed.), HTML/CSS/JS (Profic.)
Operating Systems: Linux: Ubuntu, Raspbian, Debian, Red Hat; Windows, Mac OS X (Intermed.)
Hardware: MSP-430 DevBoard, Raspberry Pi, Arduino, Through-Hole Soldering, 3D Printing (FDM, use & repair)
Software: Make, Git, Solidworks, OpenScad, LAMMPS, EAGLE
Cloud Platforms: AWS (Cloud Computing 101 Certificate), IBM Cloud, Google Cloud (GCP Essentials)
Languages: English (native), French (intermediate - read/write/speak), Telugu (fluent - speak)

RESEARCH EXPERIENCE

EE, Princeton University | Princeton, NJ
Summer Research Assistant   June 2019 – August 2019
- Design, Fabricate, and Test biodegradable circuits created via 3d Printing with Prof. Wentzlaff.

ECE, Stevens Institute of Technology | Hoboken, NJ
Student Research Assistant   February 2019 – May 2019
- Design & Implement efficient 3D Printer Slicer with Prof. Kruger

WORK EXPERIENCE

Stevens Institute of Technology | Hoboken, NJ
Teaching Assistant   January 2020 – Current
- Grade Algorithms & Data Structures coursework
- Circuits lab assistant – help students complete lab work. Proctor Exams. Grade Coursework.

Graduate Student Support Center Staff   August – December 2019
- Help with assignments in Grad-Level C++, Java, Algorithms & Data Structure Courses

Lab Assistant   August 2018 - Current
- Assist Prof. Dov Kruger of the ECE Department in setting up and maintaining lab.
  o Assist Students in Microprocessor Systems course; working to develop labs for students
  o Established lab-wide Linux network using NIS and NFS for students and faculty
  o Developed scripts to update/install packages and perform administrative tasks on lab computers
  o Maintained 3D printers, printed models for students and professors

HACKATHONS

BlueHack, IBM, Stevens Institute of Technology: Won Novel Idea Award   March 2019

ACTIVITIES

Stevens Institute of Technology
Solar Car Team & ASME-SAE: Electrical & Software Systems Team Leader   September 2018 - Current
  o Designed, Integrated, Programmed electrical, safety, telemetry systems; components reaching 96 V, 50 A.
  o Design sensing systems to allow better calibration of designed CVT (SAE – Baja)
        NASA Robotic Mining Competition   November 2019 – Current
  o Assisted in building Senior Design Project hardware to prove software models.
Rowing Team: Regatta Coordinator, Coxswain   August 2018 – Current