Michael Baumgarten

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EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

Bachelor of Science in Computer Engineering
Graduated May 2020
Dept. GPA: 3.73

LINKS

Github:// **mbaum0193**
LinkedIn:// **michaelpbaumgarten**

COURSEWORK

Computer Science
Digital System Design
Assembly Language Programming
Computer Architecture
Circuits & Electronics
Digital Signal Processing
Computer Architecture
Interface & Digital Electronics
Digital IC Design
Real Time & Embedded OS

SKILLS

PROGRAMMING
Java • Python
LaTeX • VueJS
C/C++ • ARM Assembly
HTML • RESTful Design
Bash • SQL • golang
Javascript/NodeJS

SOFTWARE
Eclipse • Excel
Matlab • Linux
PyCharm/IntelliJ
Git • SVN • wireshark
Internet Protocol Suite
Atlassian Tools • AWS
Docker • Vagrant

HARDWARE
Raspberry Pi • Arduino
Embedded Sys. • FPGA
IC Design • ESP8266
PCB Design

WORK EXPERIENCE

ICR | Software Engineer
Present | Denver, CO

ICR | Computer Engineering Co-Op
January 2019 – August 2019 | Cincinnati, OH

- Worked on projects involving Python, C, nodejs, VueJS, networking, DSP, and protocol analysis
- Worked independently on open-ended self-driven tasks
- Worked with customers to design and create end product

PARSONS | Computer Engineering Co-Op
January 2018 – July 2018 | Centreville, VA

- Object-oriented programming (Java), vm/container provisioning/deployment
- Collaborated with cross-functional teams to solve complex problems
- Experience working in secure environment

AUTO/MATE | Software Engineering Intern
May 2017 – August 2017 | Colonie, NY

- Object-oriented programming (Java)
- 3rd-party API integration work
- AWS Tools, Cloud Formation, S3 and lambda

TEACHING ASSISTANT | Various Computer Engineering Classes
Spring 2017 – Spring 2020 | Rochester, NY

PERSONAL PROJECTS

AUTONOMOUS PLANE PROJECT | C++/Embedded Design/AI
September 2018 - May 2020

SPOTTR | OpenCV/mmWave parking lot monitoring suite
February 2017 – May 2020

INTERESTS

Aircraft/Avionics
Embedded Systems
Networking
Skydiving

Guitar/Piano/Synthesizers
Web Development
Engines
Swedish cars