

Maxwell J. Morgan

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WORK EXPERIENCE

Facebook – *Software Engineer*, Seattle, WA

May 2017 – Aug. 2017, April 2018 - Present

- Developed infrastructure used by 6 products to perform identity verification of 1 million users per month
- Led integration with two 3rd party services used for identity verification including leading technical meetings, developing the service integration, and collaborating to resolve issues with the services
- Led the development and deployment of a global (180+ countries) expansion of our ID verification system used to verify the authenticity of political advertisers
- Managed two interns: provided personal and career support enabling them to grow their technical and non-technical skills thereby becoming independent and capable software engineers

University of Michigan – *Teaching Assistant*, Ann Arbor, MI

Sept. 2017 – Dec. 2017

- Taught concepts and practices in web systems to a class of 30 students including web site design (ReactJS and Python Flask), networking, web security, information retrieval, and distributed systems
- Held weekly office hours to work one-on-one with students and help them better understand class concepts, finish class projects, and prepare for exams
- Created an automated test suite to grade students' client-side dynamic websites using Selenium, Chrome headless, and Python unittest framework
- Wrote exam questions on the topics of front-end development (ReactJS) and information retrieval (Page Rank) to test student performance in the class

FICO – *Software Engineering Intern*, Ann Arbor, MI

May 2016 – May 2017

- Designed and implemented a distributed messaging system using RabbitMQ allowing system applications to communicate and reducing latency by up to 24 hours
- Developed and maintained a distributed system dedicated to active network probing providing approximately 45,000 data points each week

EDUCATION

University of Michigan College of Engineering

Graduation Dec. 2017

Bachelor of Science in Engineering – Computer Science

- GPA: 3.65 / 4.00
- Awards: Dean's List and University Honors, 3 semesters

ACTIVITIES & VOLUNTEERING

Girls in Electrical Engineering & Computer Science – *Member & Web Master*

Jan. 2016 – Dec. 2017

- Developed and maintained the GEECS organization website; a server-side dynamic website built using Python Flask, MySQL, Bootstrap, and Cosign authentication
- Volunteered at monthly events (corporate events, coding bootcamps, etc.) to support women in tech

SKILLS

- Proficient in PHP, C++, Python, Bash, SQL, git, mercurial, Vim
- Comfortable with Java, HTML, CSS, Javascript, LaTeX
- Experienced in Linux administration, Raspberry Pi's, networking fundamentals, SSL/TLS, security, database and website administration, Python Flask, ReactJS, C++11, C++14