

Margot Leibold

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EDUCATION

University of Michigan, Ann Arbor, MI

College of Engineering | Graduation: April 2017

B.S.E. in Computer Science and Engineering

- Major GPA: **4.0/4.0**
- EECS Scholar, University Honors
- Michigan Engineering Scholarship of Honor
- Tau Beta Pi First Year Award

Selected Coursework

EECS 482: Operating Systems
EECS 381: Object Oriented and Advanced Programming
EECS 498: Distributed Systems
EECS 281: Data Structures and Algorithms
EECS 485: Web Databases and Information Systems
EECS 388: Computer Security

Programming Languages: C++/C, Python, PHP, SQL, Scala, Java, HTML, Apple Swift

Systems/Tools: Mac OS, Linux, GDB, Valgrind, Git, Mercurial, Gatling, SBT, ScalaTest, Jenkins

PROJECTS

ClubMeet iOS App (Apple Swift) | built a mobile app at MHacks hackathon that facilitates student to org communication

Networked File Server (C++) | implemented a multi-threaded, secure networked file server via Unix socket interface

Personal Website (HTML/CSS) | sketched and built from scratch a personal website here: <https://margolei.github.io>

WORK EXPERIENCE

Facebook | Menlo Park, CA

Software Engineer | Starting August 2017

Facebook | Menlo Park, CA

Software Engineering Intern – Core Growth/SEM Engineering | Summer 2016

- Developed a pipeline to calculate trending models and integrate them into SEM bidding strategy
- Automated the promotion of eligible keywords in ad campaigns that met certain thresholds, leading to a 20% lift in conversion volume for promoted keywords and a 25% decrease in the cost per acquisition
- Identified and built a solution to a key bug in the 3rd-party ads API that affected metrics for 25% of ad campaigns

MediaMath | New York, NY

API Software Development Intern | Summer 2015

- Developed a fully automated load testing framework to diagnose server performance metrics using the Gatling load testing library, along with SBT and Jenkins build tools

University of Michigan EECS Department | Ann Arbor, MI

Instructional Assistant EECS 482 (Introduction to Operating Systems) | Winter 2016 - Present

- Teaching a discussion and designing projects for upper-level students in EECS 482, covering topics ranging from threads and concurrency, address spaces and memory management, I/O and file systems, and networks/distributed computing

University of Michigan ENGR Department | Ann Arbor, MI

Instructional Assistant ENGR 101 (Introduction to Programming) | Fall 2015

- Taught first-year students with no prior experience in programming C++ and Matlab fundamentals
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LEADERSHIP

Eta Kappa Nu – EECS Honor Society

Activities Officer | Winter 2015 – Winter 2016

- Coordinated all social events for the 150+ member organization, oversaw 4 chair positions, and managed \$3500 budget
- Implemented a new professional development series to improve recruiting efforts for HKN members and companies

Phi Gamma Nu – Professional Business Fraternity

Founding Member, Marketing Committee, Recruitment Selection Committee | April 2014 – Present

- Recruited for our first pledge class in Fall 2014 by running information booths, hosting networking sessions, and conducting professional interviews, successfully reaching out to over 300 potential new members
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ACTIVITIES

University of Michigan Club Golf Team

Michigan Snowboard Club

Michigan Engineering Consulting Group (MECC)

September 2016 - Present

September 2014 - Present

January 2014 – May 2015