

Michael Hole

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EDUCATION

University of California, Berkeley, CA

May 2019

BS: Electrical Engineering and Computer Sciences (Computer Science and Engineering Program)

Significant Coursework:

Computer Science: The Structure and Interpretation of Computer Programs, Data Structures, Machine Structures, Computer Security, Introduction to AI, Introduction to Databases, Operating Systems and System Programming, Foundations of Data Science, Introduction to the Internet (Architecture and Protocols), Discrete Mathematics and Probability Theory, Efficient Algorithms and Intractable Problems

Electrical Engineering: Designing Information Devices and Systems I and II, Microelectronic Devices and Circuits

Achievements: National Honors Society, California Scholarship Federation, Boys State Selection, California Air Force Association Education Foundation for Aerospace Regional and State Scholarship winner, Santa Barbara Foundation Raintree Award winner, St. Joseph High School Academic Excellence Award in Mathematics and Science, AP Scholar with Distinction

EXPERIENCE

Starbutter AI - Software Development Intern

June 2018 - Present

- *Company Awards:* Startup Innovation Spotlight Award, LeadsCon, 2017; Featured at Google I/O 2018
- Currently working part time after interning full time over the summer
- Optimized chatbots on the Google Assistant, Facebook Messenger, and Amazon Alexa platforms
- Designed internal API wrapper modules for Amazon Alexa platform. Developed 7 Skills using this codebase.
- Created system for Amazon Alexa Flash Briefings, including: scheduled updates of content, test automation, and a system for creating backup content
 - 3 Skills currently serves to > 1000 users/day, with 5 more recently deployed.
- Designed multiple websites that serve aggregated review scores for top Mortgage and Car Insurance Companies
- Technologies used: AWS (Lambda, DynamoDB, S3, Polly, CloudFront), Flask, Chalice

Okerblom Voegelé Medical Corporation - Medical Records Clerk, Santa Maria, CA

May 2014 - August 2016

- Transferred all files and records from hard copies to electronic form
- Processed Record Requests needed for patient procedures and consultation, processed old medical records

LEADERSHIP

Eric Okerblom Foundation - Volunteer

November 2013 - March 2015

- Volunteered at foundation that provides free healthcare to underprivileged community members
- Scanned and organized medical records for online medical database
- Managed foundation's payments for medical testing and treatments
- Organized annual Eric's Run to raise funds for the foundation and awareness of distracted driving

Engineering for Kids (E4K)

August 2017 - Present

- Club plans a free science and engineering education event (E4K Day) for local, underprivileged elementary kids, mentored by UC Berkeley student organizations

Current Positions: Treasurer & Website Architect

- Treasurer - Work with university to manage club's money, set budget for year, work with members to obtain donations from private companies
- Website Architect - In charge of updating website to a better format. Needed for gaining volunteers, private donations, and sign-ups for E4K Day. See it at e4k.berkeley.edu

Past Positions: Committee Member

- Member of Financial Committee - Contact companies for donations, create budget, manage invoices

SKILLS AND HOBBIES

- **Languages:** Python, Java, C, HTML & CSS
- **Frameworks:** Flask, Chalice
- **Services:** AWS
- **Interests:** Volleyball, Basketball, Backpacking, Computer Assembly