

Mohamed Elgharbawy

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY 2019-2021
Computer Science Bachelor of Arts

DE ANZA COLLEGE 2016-2019
Associates: Liberal Arts - Science, Math and Engineering Emphasis

SKILLS

Languages: **Advanced:** C++, Java, Python; **Intermediate:** Swift, Web Dev.; **Learning:** C, Assembly

Software & Libraries: MySQL, Apache, PhpMyAdmin, Pandas, jsoup, AWS, Google Guice

WORK EXPERIENCE

Amazon Remote
Software Development Engineer Intern May 2020 - August 2020

- Worked on a full stack web application, new APIs, and database systems
- Designed and implemented a pre-compute solution to reduce loading times from 10+ seconds to under a second
- Software and tools include Java, React, Javascript, HTML, CSS, SQL, Google Guice, AWS Lambda, AWS RDS, AWS Cloud Formation, AWS Secrets Manager, and more

Computer Information Systems Department - De Anza College Cupertino, CA
Computer Science Teaching Assistant January 2019 - March 2019

- Aided 40+ computer science students with understanding the fundamentals of programming
- Java was the primary language used

AI Health Sunnyvale, CA
Computer Science Intern July 2018 - December 2018

- Developed an anti-fraud software for dental offices using C++, Python, and SQL
- Worked with databases containing millions of entries
- Reduced CSV manipulation scripts' runtimes significantly

PROJECTS

GitHub: <https://github.com/MohamedElgharbawy>

Online Storefront (C++): The final group project for my Data Abstract & Structures class.

- Uses a graphical user interface to display tablet convertible laptops, and offers services for both employees and customers
- Encompasses a wide variety of data structures, with over 8,000 lines of code