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; **Intermediate**: Swift, Python; **Learning**: HTML, CSS, x86 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 API's, 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