

# Mohamed Elgharbawy

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## EDUCATION

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### UNIVERSITY OF CALIFORNIA, BERKELEY

2019-2021

Computer Science Bachelor of Arts

### DE ANZA COLLEGE

2016-2019

Associates: Liberal Arts - Science, Math and Engineering Emphasis

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## SKILLS

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**Languages:** Advanced: C++, Java; **Intermediate:** Swift, Python; **Learning:** HTML, CSS, x86 Assembly

**Software & Libraries:** MySQL, Apache, PhpMyAdmin, Pandas, jsoup

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## WORK EXPERIENCE

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### 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, Inc.

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

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## PROJECTS

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**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.
- I was the team coordinator and worked on the implementation of our classes.
- Over 8,000 lines of code.

**iTunes Marketplace (Java):** The final group project for my Java class.

- Simulates a Marketplace to buy music and movies, and stores them in a local library.
- Uses the iTunes API to display product information.