

GABRIEL CHEN

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EDUCATION

University of California Berkeley, Berkeley, CA

Bachelor of Art in Computer Science

Bachelor of Art in Mathematics

GPA N/A

May 2020 Expected

Berkeley City College, Berkeley, CA

Associate of Science in Mathematics with highest honor

GPA 4.0 / 4.0

May 2018

HIGHLIGHTED COURSES

Data Structures & Algorithms, Structure and Interpretation of Computer Programs, Python Data Structures, Programming Using C++, Java Programming: Solving Problems with Software, Introduction to Discrete Math for Computer Science, Discrete Mathematics and Probability Theory, Designing Information Devices and Systems II

SKILLS & LANGUAGES

C/C++, Java, Python, SQL, HTML, CSS, JavaScript, React, MongoDB, Linux/Unix, Git.

Fluent in both Mandarin and English. Beginner for Spanish and Japanese.

EXPERIENCE

University of California Berkeley, Berkeley, CA

Software Engineer Intern – Xinampa Analytics at CITRIS Foundry

Jun. 2018 — Aug. 2018

- Python • Algorithm • Theory • APIs •
- Built a gateway between SMS and Gmail to achieve better user communication experience without Twilio.
- Optimized the algorithms for mining and analyzing data to get better and more accurate output efficiently.
- Made Real Data more accessible by building an index for the data mined by a crawler.

University of California Berkeley, Berkeley, CA

Undergraduate Researcher – JAMX Project, Berkeley Institute of Data Science

Jan. 2018 — May. 2018

- Python • MongoDB • React • JavaScript • HTML/CSS •
- Led the platform research group with another researcher.
- Researched different designing methods for platform and database including MongoDB, PostgreSQL, AWS, Twitter API, Google API, and React to get better performance.

Berkeley City College, Berkeley, CA

Teaching Assistant – to Dr. Shawn McDougal in “Linear Algebra”

Jan. 2018 — May. 2018

- Helped improving students’ understanding of the subject during and after class by arranging study groups and one-to-one tutoring.

AWARDS & MEMBERSHIP

Association of Women in EECS

Aug. 2018 - Present

Phi Theta Kappa Honor Society

Jan. 2018 - Present

Information & Communication Technology Scholarship, Peralta Colleges Foundation

2017 – 2018

Academic Honor Student, Berkeley City College

Jan. 2017 – May 2018