GABRIEL CHEN

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PROFILE

Experienced Software Engineer with a demonstrated history of working in the computer software industry. Skilled in Python, C/C++, Java, SQL, Git, and Linux/Unix. Strong education professional with a Bachelor's degree focused in Computer Science & Mathematics from University of California, Berkeley.

EDUCATION

University of California Berkeley, Berkeley, CA
B.A. in Computer Science
B.A. in Mathematics   **May 2020 Expected**
GPA N/A

Berkeley City College, Berkeley, CA
A.S. in Mathematics with honor   **May 2018**
GPA 4.0 / 4.0

COURSES

Computer Science
Data Structure & Algorithms, Programming Using C++, Python Data Structures (University of Michigan), Java Programming: Solving Problems with Software (Duke University), Programming Foundations with JavaScript, HTML and CSS (Duke University), Introduction to Discrete Mathematics for Computer Science (UC San Diego & National Research)
Mathematics
Calculus I, Calculus II, Calculus III, Linear Algebra, Differential Equations, Basic Statistics (University of Amsterdam)

AWARDS & MEMBERSHIP

Phi Theta Kappa Honor Society   **2018**
Information & Communication Technology Scholarship, Peralta Colleges Foundation   **2017 – 2018**
Academic Honor Student, Berkeley City College   **Jan. 2017 – May 2018**

EXPERIENCE

University of California Berkeley, Berkeley, CA
Software Engineer Intern – Threestone Analytics at CITRIS Foundry   **Jun. 2018 — Aug. 2018**
Data Mining and Sentiment Analysis for Environmental Justice in Latin America

University of California Berkeley, Berkeley, CA
Undergraduate Researcher – JAMX Project, Berkeley Institute of Data Science
Advisor: Dr. Diego Ponce de Leon Barido   **Jan. 2018 — May. 2018**
Leading the platform research group with another researcher.
Researching the database, frontend, and the backend.
Enrich the project regards environmental justice with Twitter and SMS APIs.

Berkeley City College, Berkeley, CA
Teaching Assistant – to Dr. Shawn McDougal in "Linear Algebra"   **Jan. 2018 — May. 2018**
Instructing and arranging students during and after class for the contents they have trouble with while studying the subject.

Berkeley City College, Berkeley, CA

Tutor – Calculus I, Calculus II, Applied Calculus for Economics, Intro to CS   **Sep. 2016 — Dec. 2016**

Instruct students individually and in groups, using various teaching methods such as lectures, discussions, and demonstrations.

RELATED PROJECT

Narcissus, Data Mining and Analysis Project

Author   **Jun. 2018 — Present**

A project currently running on a Raspberry Pi aim to mine data from Twitter and analysis it for Environmental Justice.

JAMX, Computer Science & Data Science Research Project

Researching Collaborator   **Jan. 2018 — May. 2018**

An undergraduate research project associate with Berkeley Institute of Data Science at UC Berkeley built with React, Flask, PostgreSQL, and Python.

Ada, Raspberry Pi Project

Author   **May. 2017 – Present**

Information provider and daily reminder robot written by Python.

Nice Blog, Jekyll Project

Author   **Mar. 2016 – May. 2017**

Website framework written with Ruby, JavaScript, HTML and CSS.

SKILLS

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

LANGUAGES

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