

## William Luo

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925.725.5386

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### TECHNICAL SKILLS:

Java, Python, Pandas (software), C, C#, RISC-V (assembly), SQL, Scheme, Git/Github

### LANGUAGES:

English (native), Chinese/Mandarin, Spanish

### EDUCATION

#### University of California, Berkeley, CA

Pursuing Bachelor's degree in Computer Science/Data Science, 2020 - 2024

DS/CS related classes completed:

- Programming in Java/Python languages
- The Structure and Interpretation of Computer Programs
- Data Structures, Machine/Computer Architecture
- Designing Information Devices and Systems
- Introduction to Cognitive Science (an AI/voice recognition related course)
- Discrete Mathematics and Probability

#### San Ramon Valley High School, Danville, CA

Graduated with honors, 2016 - 2020

- AP Scholar with Distinction, 2019
  - *A national award granted to students with 3.5+ score on five or more AP exams. I took AP Computer Science A, AP Computer Science Principles, AP Statistics, AP Physics C, AP Calculus AB/BC, AP Economics, AP Language and Composition, and AP US Government & Politics.*
- University of California, Eligibility in Local Context recipient, 2019
  - *Granted to top 9% students in the school; guaranteed UC admission.*
- Renaissance Award for GPA over 4.0, 2017-2020
- California Scholarship Federation (CSF), 2016-2020

### EXPERIENCE AND CREDENTIALS

#### Coding Project, UC Berkeley

2020

- Built a custom version of Github (Gitlet) from the ground independently using Java. Works included design, coding and testing.

#### Voidbia Cryptocurrency Project

2022

- Creator of the Voidbia (VBA) cryptocurrency token using the BNB SmartChain blockchain. Made tradable on the Pancakeswap DeFi decentralized exchange platform. Contract and liquidity information available on BscScan website.
- Details: <https://bscscan.com/token/0x49c62201cA3434282D0405bE4cD7F998bd87Eada?a=0x7c828902121e98309F17c4B169FbDbD12060ae85>

#### Data 8 Academic Intern

2022

- Academic Intern for UC Berkeley's renowned data science course, DATA8 (1650 enrolled). Assist students with work assignments and do check offs in lab sections for conceptual understanding of course content.

#### DataGeec Internship

2022

- Coded Python programs using Amazon Web Services (AWS) server that could access MySQL database tables to generate varied financial reports. I was also able to program/implement RESTful APIs to provide ETF data for customer use.

**Patent Inventor (US patent No. 10,848,610B1 )****2020**

- Invented a system to alarm drivers when an infant is left in a vehicle unattended. The system is a combination of a mobile app, Bluetooth connections with the vehicle and sensors.
- Details: <https://patents.google.com/patent/US10848610B1/en?q=10848610>

**AI Application For Detecting Emotions using IBM Watson****2020**

- Created a basic app that takes in many pictures of people with facial expressions for a training set and uses them to discern new photos using machine learning and artificial intelligence

**Math Tutor/Teaching Assistant****09/2019- Present**

- Provides tutoring service to high school students, particularly in mathematics, and was able to significantly improve students' knowledge and test scores.
- TA for Spanish class for the 2019-20 school year; helped to grade student homeworks and exams.

**UPenn Summer Discovery, University of Pennsylvania****Summer 2018**

- Studied Cloud Computing and Linguistics

**UC Berkeley ATDP (Academic Talent Development Program)****Summer 2017**

- Introduction to Java Programming; Creative Writing

**Volunteer at White Pony Express (Food Bank)****01/2017 - 2019**

- Sorted food; planned delivery truck route and schedule; participated in deliveries to Camp Fire rescue