

Sungmin Jin

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EDUCATION

University of California, Berkeley, Berkeley, CA

Expected Graduation: May, 2022

Major: B.A. in **Computer Science**

Cumulative GPA: 4.00/4.00

Relevant Coursework: Applied Data Science with Venture Applications; Discrete Mathematics and Probability Theory;

Structure and Interpretation of Computer Programs

Honors/Awards: 14th Place in ACM ICPC Pacific Northwest Regional Contest; Honors Data Abstractions and Structures

Scholarships: Berkeley Transfer Scholarship

SKILLS & INTERESTS

Skills: Python, C++, Java, HTML, JavaScript, CSS, Solidity, SQL, TensorFlow

Interests: Algorithms, Competitive Programming, Machine Learning, Computer Security, Computer Graphics, Competitive Gaming

TECHNICAL EXPERIENCE & AFFILIATIONS

United States Cyber Command – Visualization of Defensive Strategies in Cyberspace

Fall 2020 – Present

Developer

- Created a web-based visualization showing the impacts of various defensive strategies (e.g. perimeter defense, zero-trust networking, and active threat hunting) in cyberspace using d3.js
- Simulated various national security threats in a compromised state using a dataset provided by CYBERCOM and produced a prediction utilizing TensorFlow

Competitive Programming Club

Fall 2018 – 2020

President

- Organized programming competitions, coordinated lectures and weekly problem-solving meetups
- Participated in 2018, 2019 ACM ICPC Pacific Northwest Region Second Division and won 14th place overall in 2019

New World Project

Fall 2018 – 2020

Founder

- Researched Satoshi Nakamoto's P2P Electronic Cash System
- Created a smart contract for the Ethereum based game
- Developed and deployed a fully functional blockchain-based game using Solidity

De Anza College Palgorithm

Fall 2018 – 2020

Founder

- Assisted in tutoring Python language to members by introducing algorithms
- Allocated \$1000 budget to various on-campus events from weekly meetings to guest speaker invitations
- 1 of 8 officers to achieve starting position on the competitive programming team

De Anza College Data Structures Project

Fall 2018

Leader

- Led a team of four and implemented templates, binary search trees, and hash tables in to store, sort, and search in Amazon Product Database that includes ASIN, brand name, and ratings
- Won the first place in coming up with the best solution to a maze solver by implementing breadth-first searching achieving $O(V+E)$ time complexity

Other Affiliations: UC Berkeley SCET Certificate in Entrepreneurship & Technology

EXPERIENCE

Math, Science & Technology Resource Center, Cupertino, CA

Apr 2019 – Jun 2019

Tutor

- Assisted in tutoring a classroom of 30 students
- Led group and individual tutoring sessions for topics ranging from trigonometry to multivariable calculus
- Awarded in Math Performance Success program