

# Anna Gao

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## EDUCATION

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**University of California, Berkeley** August 2017 - May 2021  
Bachelor of Arts in Data Science (Economics Emphasis), Minor in Computer Science

*Relevant Coursework:* Data Structures, Algorithms, Computer Architecture, Artificial Intelligence, Principles and Techniques of Data Science, Discrete Math and Probability

## TECHNICAL SKILLS

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<b>Languages</b>	Java, Python, Swift, SQL, Bash, JavaScript, HTML, CSS
<b>Technologies</b>	git, Firebase
<b>Other</b>	Pandas, NumPy

## EXPERIENCE

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**Hewlett Packard Enterprise** May 2019 - Present  
*Software Engineering Intern* San Jose, California

- Implemented SQL queries to open-source bug tracker tool and performed statistical analysis of bugs
- Enhanced existing test monitoring web interface tool used by team with additional filter capabilities using C# and JavaScript
- Developed Bash and Python scripts that decreased the time needed to gather data from bug fixes by 75% and extended data querying functionality

**UC Berkeley Department of Computer Science** August 2018 - December 2018  
*CS 61B (Data Structures) Academic Intern* Berkeley, California

- Facilitated labs by assisting students one-on-one on lab assignments and homework regarding the multiple data structures and algorithms discussed throughout the course
- Held weekly office hours to teach Python and SQL to class of 2000 students

**EduCal** September 2018 - December 2018  
*Software Developer* Berkeley, California

- Created an iOS application which helps connect Berkeley undergraduate students with prospective tutors for given lower-division STEM courses
- Designed and set up screen layout and worked on login authentication, which included the storage and management of profile data using Firebase

**ANova** August 2018 - Present  
*Internal Vice President, Finance Chair, Mentor* Berkeley, California

- Provided computer science education and mentorship to under-resourced schools within the Bay Area via specialized curriculum and personalized teaching methods
- Allocated and managed budgets for committee usage along with financial consulting, reimbursement handling, and funding outreach

## PROJECTS

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**BerkeleyMaps** Java

- Web mapping application that allows user to display any designated region of Berkeley and supports scrolling, zooming, and route finding (mimics the functionalities of Google Maps)
- Used collected data from OpenStreetMap and A\* to implement a mapping algorithm with efficient path-finding capabilities between two input locations

**Personal Website** JavaScript, HTML, CSS

- Built and designed website to showcase portfolio using Bootstrap