

[FULL NAME]

| [City, State] (Open to Remote Positions & Relocating)

[Phone] | [Email] | [LinkedIn] | [GitHub]

Entry Level Software Engineer

Expertise in Software Architecture, Development, Testing & Maintenance

Recent graduate with experience in designing new software and web-based applications. Brings the quantitative and analytical skills required to produce, implement, evaluate, and troubleshoot high-quality code. Dedicated to pursuing knowledge of advanced technological methods. Proficient at researching, drafting, and editing documentation. Excellent problem-solving skills. Proven ability to work both independently and in team environments. Strong communication & collaboration abilities.

Cal Alumni Association Leadership Award recipient for demonstrating innovative, initiative-driven leadership.

Technical Skills

Python | C | C++ | Java | Golang | Node.js | React.js | Git | SQL | Next.js | JavaScript | HTML | CSS | MongoDB | REST Express.js | MASM | Operating Systems | OOP | Software Development | Programming | Debugging & Troubleshooting Web Development | Database Management | System Configuration | Scripting | Automation | Technical Documentation

Education

Bachelor of Arts (BA) in Computer Science | *University of California, Berkeley* | GPA 3.64

Relevant Coursework: Operating Systems & System Programming, Introduction to Database Systems, Computer Security, Computer Architecture, Principles & Techniques in Data Science, Data Structures, Quantitative Linguistics, Semantics

Project Portfolio

RPGShowcase: full-stack RESTful website enabling users to post/display TTRPG characters (rpg-showcase.onrender.com).

- Leveraged React.js, CSS, and material UI to implement front-end; Node.js and express on the back-end.
- Deployed token-based authentication using JSON web tokens; utilized MongoDB and AWS S3 for data persistence.

Gitlet: Java-based version-control system similar to Git utilizing serialization, file manipulation, and state persistence.

- Implemented logic to effectively resolve merge conflicts from different repository branches.
- Enabled the replication of basic git commands (add, commit, rm, merge, reset, checkout, etc).

PolitiChat: Next.js web application enabling users to discuss their perspectives on socio-political subject matter.

- Engineered video call functionality, connecting users with opposing viewpoints to create an interactive experience.
- Utilized socket.io for web-socket connections and PeerJS for webRTC-based video and audio connections.

Pintos Operating System: collaborative project to implement Pintos, an instructional OS developed by Stanford.

- Implemented program and file operation syscalls along with multithreading functionality and prioritization.
- Allowed users to manipulate files in subdirectories through the design and introduction of a Fast File System.

Leadership & Volunteering

Co-Founder & Co-President | Cracking the Code Interview at Berkeley

2022 to 2023

Launched a club dedicated to hosting practice LeetCode interviews. Planned and managed events, encouraging 15-20 members to develop their computer science technical interview skills. Organized workshops and lectures to teach concepts.

Financial Officer | Berke1337 Cyber Security

2023

Managed club finances to support member participation in local and national CTF competitions (including NCL). Pursued and secured funding, successfully obtaining sponsorship from ASUC, Berkeley's student body. Supported a club focused on teaching relevant cyber security topics, including user authentication, SQL injections, hashing passwords, and attack response.

President | Developers' Guild

2019 to 2021

Oversaw the largest computer science club at De Anza College, hosting 30+ students per meeting. Led project-based learning that included web development, AI topics, and Python coding. Delivered instructional presentations on HTML, CSS, and Java scripting. Owned responsibility for mentoring a web development project group. Supervised all project team leaders.