

# Jacob (Coby) Zhong

## Software Engineer & Web Developer

|| Email: [coby.zhong@gmail.com](mailto:coby.zhong@gmail.com) || Phone: 650-391-3778 || Website: <https://cobyzhong.com> ||  
|| LinkedIn: <https://www.linkedin.com/in/coby-zhong/> || GitHub: <https://github.com/CactusPuppy> ||

### EDUCATION

---

M.S. in Cybersecurity, UC Berkeley

Current (Spring 2023)

B.A in Computer Science and Data Science Minor, UC Berkeley

Spring 2021

### NOTABLE SKILLS

---

Certifications: Security+ (in progress, expected completion Q3 2022)

Knowledge Fields: Web Development, Systems Administration, Operating Systems, Network Security

Languages: Ruby, Python, Java, JavaScript, C, C++, C#, Go, SQL

Frameworks/Tools: Git, GitHub + GitHub Actions, Ruby on Rails, React, Svelte, Next.js, Travis CI, Heroku, AWS

Experienced in Agile Scrum development and learning new frameworks, tools, and languages quickly

### INDUSTRY EXPERIENCE

---

#### Anwita Biosciences Inc.

June 2021 – Present

##### *Data Analyst and Software Engineer*

**Data Analysis Platform Development** – Online platform for single-cell sequencing data analysis (Python, AWS)

- Enabled employees to perform clustering and pattern analysis to gain insight of biological functions
- Managed user accounts and training of employees

**FDA ESG WebTrader** – File submission gateway for biomedical research applications

- Managed and completed registration process for FDA Electronic Submissions Gateway
- Utilized computer security knowledge to inform decisions on infrastructure and certificate acquisition

**Anwita Biosciences Website** – Informational website for shareholders and prospective employees (React, Next.js)

- <https://anwitabio.com> | Designed, developed, and deployed website using Next.js and Vercel
- Utilized Lighthouse readouts to reduce page load times by 50%

#### University of California, Berkeley

May 2021 – August 2021

##### *Teaching Assistant (Software Engineering)*

- Assisted professors in grading and answering questions on online Q&A forum

#### vArmour

Summer 2019, Summer 2020

##### *Software Engineering Intern*

**Application Controller** – Controller providing visibility and control for application relationships (Python)

- Developed a workflow for converting Python 2 code to Python 3 for Python 2 end-of-life
- Left thorough documentation on above workflow and trained incoming hires on the conversion workflow
- Researched and documented various secret storage solutions, including HashiCorp Vault

### PROFESSIONAL DEVELOPMENT

---

**Workshop.codes** – Companion website to the Overwatch Workshop providing user content discoverability (Ruby on Rails, Svelte)

- <https://workshop.codes>
- Identified need for visibility into content ancestry (ala GitHub forks) and developed backend systems implementing said feature
- Communicated with user base and triaged bugs and feature requests

**Snap!Con Website** – Online management tool for providing real-time information on the Snap! Conference (Ruby on Rails)

- <https://snapcon.org>
- Engaged in Agile practices to rapidly iterate on features after meeting with client every two weeks
- Smoothly integrated unforeseen CI changes from upstream repository to maintain testing
- Integrated with Mailbluster to send messages to mailing lists more efficiently