Andrew Yong

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Education:

University of California Los Angeles   September 2017 – Present
Mathematics of Computation B.S. (GPA 3.37)   June 2021

Relevant Coursework:
- Operating Systems Principles (C), Software Construction Lab (Python, Bash), Programming Languages (OCaml, Java, Prolog, Scheme, Python, Go)
- Discrete Mathematics, Linear Algebra, Algorithms, Mathematical Modeling

Work Experience:

Software Development Intern, **Oracle Cloud Infrastructure (OCI)**   June 2020 – September 2020
- Designed and implemented debugging tool in Go, significantly optimizing team's ability to debug client issues. Leveraged existing GRPC API methods to present an intuitive command line interface for the team.
- Developed an Authorization Interceptor in Java to allow for ReadOnly hosts to interact with Object Storage Metadata databases, and conducted thorough database tests to optimize performance.
- Collaborated with other engineers to build a test bank for OCI's front end Object Storage API

IT Consultant, **UCLA IT Support Center**   March 2019 – March 2019
- Interacted with a diverse population of UCLA students and alumni to provide clear support for all computer related issues. Quickly assessed situations to strategize how to best provide support for users.
- Served as primary contact point for all UCLA proprietary software, connection, and login issues. Resolved an average of 70 user tickets per week.

Software Developer, **Grace on Campus**   May 2019-Present
- Collaborated in a team of 8 to build and maintain a website that currently serves over 200 people
- Refactored all website pages to improve UX and performance, successfully optimizing website responsiveness by 200%
- Implemented calendar tool in JS using FullCalendar API, allowing for significantly easier Admin access

Projects:

Personal Art Website (*jonadrew.netlify.app*)   Started August 2020
Learned Jekyll and Liquid in order to engineer a scalable, efficient, and ascetically pleasing website from scratch for personal art projects. This website is being maintained and continually expanded for more content.

Shell Script Collection   Started November 2018
Self taught Bash in order to implement scripts that automated daily usage of my Arch Linux computer. This started with simple scripts to check things like power usage, but grew to a sizable collection of things such as a script to simplify sshfs mounts and a Python script to generate random Bible verses.

"Out of the Loop" Texting Service   March 2019
Collaborated with a team of 3 to design and implement a News texting service within 48 hours. This service used Taboola Topics API and Twilio to keep users up to date with the latest News trends and hot topics by simply sending a text.

Skills:

C++, C, Java, Python, Go, Bash, Git, Make, Maven, Docker, GRPC, Nmap,
HTML, CSS, JavaScript, Liquid, Vimscript, Photoshop, Illustrator and Indesign. Colemak