

Galen Wong

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EDUCATION

University of California, Los Angeles

Bachelor of Engineering in Computer Science

Los Angeles, CA

Expected June 2021

- GPA: 4.0/4.0, Honors/Awards: Dean's List Winter 2018, Dean's List Fall 2019
- Courses: Algorithm and Data Structure, Computer Organization, Logic and Digital Systems, Operating System Principles, Programming Languages, Computer Network Fundamentals
- Awards: Hong Kong Scholarship for Excellence Scheme (\$128000 scholarship in total)
- Skills: Python, C/C++, JavaScript, HTML/CSS, git, Node.js, React.js, Go

PROFESSIONAL EXPERIENCE

Lalamove

Software Engineering Intern

Hong Kong

June 2018 - August 2018

- Independently designed a map-based UI in **React** that dynamically displays delivery orders and driver location for customer service team to keep track of 1000+ delivery orders per day
- Designed a server-level Redis caching to reduce hits to database by 8 times per minute (PHP)
- Re-architected 40% of public facing ordering API (15% of total orders) to increase system usability and stability through a migration of code base from PHP to **Golang**

Notey

Software Engineering & Data Science Intern

Hong Kong

June 2019 - September 2019

- Built a Chrome extension based on React to test a website's access speed in the US and China. Implemented caching with `chrome.storage` API to improve usability
- Derived a method to quantify the impact of dynamic Ajax rendering on a page using Selenium Web Driver
- Independently built a distributed web crawling system using Puppeteer to control the browser (Node.js in TypeScript), and Bull task queue (Redis-based). A React web interface for managing the system and modifying dynamic configuration

Microsoft

Microsoft Student Partner

Los Angeles

September 2018 - May 2019

- Taught a workshop on Node.js application deployment on Azure. Mentored students on all web app related issues (github.com/GalenWong/hoth6-azure-starter)
- Prepared a workshop to teach hackathon participants how to use the Azure Face Detection API and integrate it into their application (github.com/GalenWong/HOTH-V-Microsoft-workshop)

PROJECT EXPERIENCE

Meow (github.com/dailybruin/meow)

- A React web app for UCLA's student newspaper Daily Bruin to schedule automatic posting on Facebook, Instagram, and Twitter
- Designed an edit-history functionality by creating new backend APIs and React Components, allowing editors to see all past edit history and revert changes at any time
- Implemented a frontend post filtering mechanism using Redux and revamped the React component tree organization to improve scalability and flexibility

ACM Hack Website (github.com/uclaacm/hack.uclaacm.com)

- A static club website for UCLA ACM Hack built with **Gatsby** (React)
- Project-managed the development and oversaw all development process, code review and new feature addition
- Developed a static blog post functionality, enabling officers to upload blog posts in Markdown format
- Enforced responsive design based on Material-UI to ensure all pages give an excellent browsing experience on mobile

LEADERSHIP EXPERIENCE

ACM Hack

Officer/Curriculum Director

Feb 2018 - Present

- Spearheaded a beginner-friendly Python workshops, helping 100+ learn basic Python. QA all workshops and provides feedback to presenters. Check out our lessons here: github.com/uclaacm/learn.py-s19
- Started a new workshop series on intermediate **JavaScript** covering topics such as event loop, advanced React, function scopes, etc
- Organized the biggest beginner-friendly hackathon in UCLA (hoth.splashthat.com)