

# Kitty Wai Ying Fung

LinkedIn [linkedin.com/in/kifung](https://www.linkedin.com/in/kifung)  
Website [kifung.github.io](https://kifung.github.io)  
Email [kitt.fung@gmail.com](mailto:kitt.fung@gmail.com)  
Phone (415) 699-3238

## EDUCATION

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University of California, Santa Barbara

Expected Graduation: June 2020

- **Computer Science, B.S.**
- **Relevant Coursework:** Data Structure and Algorithms, Database Systems, Computer Networks, Computer Graphics, Object Oriented Design, Computer Science Project, Automata & Formal Language

## WORK EXPERIENCE

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Cloud Engineering Intern at Citi (Irving, TX)

Jun – Aug 2019

- Developed and deployed a full stack containerized app that checks the overall cluster health and latencies between clusters in Citi OpenShift platforms in real time
- Launched an efficient and secure reactive monitoring approach for Citi Cloud Engineers to check OpenShift cluster statuses with a catered automated system
- Utilized: Docker, OpenShift, Ansible, Node.js, Angular, HTML, CSS, Git, Bash, SSH, BitBucket, Confluence, JFrog Artifactory, Linux, Vim

Network Systems Intern at UCSB Enterprise Technology Services

Jun – Dec 2018

- Optimized replacing, locating, and conducting health & usage checks for UCSB's wireless access points (WAP) by installing, processing and mapping over 1100+ WAPs virtually and physically

Computer Science Tutor (San Francisco, CA)

Jul – Sep 2017

- Supervised college students on programming interest rate calculators and related projects in C# & C++

## PROJECTS

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Country Runner Legacy Project (Java)

[github.com/kifung/cs56-games-country-runner](https://github.com/kifung/cs56-games-country-runner)

- Redesigned a Super Mario-like “avoid all obstacles” side-scrolling game that caters to User Experience by
  - Implementing teleportation portals that changes the user's character and background
  - Designing ghost sprites and seasonal backgrounds; revamping the background music & scoring board

UCSB Discord Chat Analysis (Python and R)

Oct 2017 – Jun 2018

- Analyzed the demographics and word toxicity of the UCSB Discord Server via Python and R graphs by
  - Implementing Python scripts including counting word frequencies and sorting toxic vs. nontoxic words in the Discord chat and storing the data into separate .csvs
  - Applying Google Sheets API to analyze data and transfer local .csvs to Google Drive

## LEADERSHIP

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Head of Hacker Experience at Womxn/Hacks

Oct 2018 – Present

Officer at Women in Software and Hardware

Sep 2016 – Jun 2018

## SKILLS

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- **Software Languages:** Java, C++, Angular, Node.js, TypeScript, Bash, HTML, CSS
- **Tools:** Git, Unix/Linux, Docker, OpenShift, Ansible, SSH, Github, BitBucket, Confluence, JFrog Artifactory, Vim, VisualRF, Microsoft Word/PowerPoint/Excel
- **Fluent Languages:** English, Cantonese, Conversational in: Mandarin

## ACCOMPLISHMENTS

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- Grace Hopper Celebration Scholar, 2019
- Apple Worldwide Developers Conference (WWDC) Scholar, 2016
- National runner-up & Bay Area Affiliate winner of the NCWIT Award for Aspirations in Computing, 2016