



## EXPERIENCE

**Lyft** | Incoming Lyft APM  
Aug 2020 | San Francisco, CA

**KPCB Fellow @ Nextdoor** | Software Engineering Intern  
Sept 2019 - Dec 2019 | San Francisco, CA

- Worked on the Systems Infrastructure team to automate the processes of entering and exiting maintenance mode
- Built automation project in Python using an AWS Step Functions state machine that called a Lambda handler which interfaced with AWS Boto, Pagerduty, Spotinst, and Slack APIs
- Connected automation to our prod-ops Slackbot Jasper, by parsing intents using AWS Lex so that managing maintenance mode was as simple as talking to a Slackbot
- Deployed project using AWS Cloudformation templates (for provisioning AWS resources)

**Google** | Associate Product Manager Intern  
May 2019 - Aug 2019 | Mountain View, CA

- Owned merchant content on the Business Profile for Google my Business (~40M users)
- Drove product forward by completing UX mocks with designers, conducting in-person interviews and usability tests with merchants, working with engineers to set metrics and assess experiment launches, and reducing contact rates with support teams

**Facebook** | Software Engineering Intern  
May 2018 - Aug 2018 | Menlo Park, CA

- Engineered software for the Terragraph Network Management System (NMS) under Facebook's Connectivity Lab with the mission to spread internet to all global cities
- Spear-headed implementation of NMS Dashboards using React.js and devised time series algorithms in C++ to provide more insightful network statistics

## PROJECTS (View code on Github, details on www.teresaliu.com)

**Echo: Empowering Voices of Sexual Assault Victims** | TreeHacks 2019  
Winner of Best Use of Blockstack Prize and Best Upstander Hack

- Developed frontend of our decentralized platform with the mission of creating an online community where sexual assault victims can report and find justice with 2 other engineers
- Utilized Blockstack's API to decentralize data to enforce anonymity of victims

**Diabeat-it: Gamifying Diabetes Education for CHLA** | Jan 2019 - May 2019  
Winner of USC 2019 Undergraduate Symposium for Scholarly and Creative Work

- Created React Native mobile app as an educational tool for children diagnosed with diabetes at CHLA to understand their condition and work towards improving their health
- Worked as the engineer on a team with a designer, a lead and content creator, a researcher

**GreenDot Alumni, USC Code The Change** | Sept 2017 - May 2018

- Code the Change is a 25-student organization that launches production-level applications for Los Angeles non-profits in teams of engineers, designers, and product managers
- Collaborated with the non-profit, GreenDot Public Schools (www.greendot.org)
- Engineered backend using Django and PostgreSQL to create a Rest API and admin panel
- Launched React Native app in both Apple and Play store for 200+ student users

## EDUCATION

**University of Southern California**  
Expected May 2020 | Los Angeles, CA

**Major:** B.S. Computer Science | **GPA :** 3.84 / 4.0  
**Awards:** Dean's Scholar, Academic Achievement Award

**Central Bucks High School East**  
Jun 2016 | Doylestown, PA

**GPA :** 4.4 / 4.0 | **Honors:** Summa Cum Laude  
**Involvement:** Drum major, symphonic and jazz band

## SKILLS

**Languages:** C++/C, Java, Python, Javascript, HTML/CSS  
**Development:** AWS, Heroku, Next.js, React.js, Redux, Express.js, Node.js, MongoDB, MySQL, LESS/SCSS, AJAX, jQuery, Django, PostgreSQL, ES6, Git, Jekyll  
**Design/UIUX:** Adobe Illustrator, Lightroom, Sketch

## LEADERSHIP

**USC Viterbi** | CSCI 103 Head Course Producer  
Aug 2017 - Present | Los Angeles, CA

- Led 30 course producers in the planning and execution of office hours, labs of ~20 students, review sessions, and grading for 400+ students

**Spark SC** | President  
Jan 2017 - Dec 2018

- Led our 50-student organization, driving the mission of cultivating innovation and entrepreneurship at USC
- Collaborated with 4 others on Core Team to spear-head recruitment, advise members, and build a tight-knit community and organizational culture
- Ensured the success of our 10 committees, hosting over 30 yearly events of 1000+ attendees including Startup Career Fair, 1000 Pitches, Hackers, and TechLA Fellows
- Led project to rebrand website, www.sparksc.org, with a team of designers, writers, and photographers and developed the website with Jekyll

**Association for Computing Machinery @ USC** | Operations Chair  
Dec 2016 - Dec 2018

- Managed general membership of over 1000+ computer science students and collaborated with 14 fellow officers
- Oversaw operations committee which coordinated 50+ yearly events, fostered the mentorship program, and hosted community-building activities