TERESA LIU

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EXPERIENCE

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
- Designed and spear-headed the implementation of NMS Dashboards using React.js through learning the needs of the feature from 8 team members
- Devised time series algorithms in C++ to provide more insightful network statistics

USC Viterbi Course Producer | CSCI 103: Introduction to Programming
Aug 2017 - Present | Los Angeles, CA
- Enhancing student learning as a teaching assistant for the 400 student class
- In charge of conducting office hours helping around 10 students per session, leading labs of around 20 students, and grading coursework for around 10 students per assignment

USC Realization of Robotic Systems | Research Assistant
Jan 2017 - May 2017 | Los Angeles, CA
- Developed on the Microsoft Hololens in C# using Unity and Vuforia Image Processing to create an augmented reality experience meant to guide and train assembly-line workers

PROJECTS (View code on Github)

Eat Plateful | March 2018 - Present
- Led the development of www.eatplateful.com, a website with the mission to provide affordable and sustainable meal-kits to the USC community
- Designed backend system from the ground up then acted as project lead and main frontend developer and designer, using React.js and Illustrator to craft UIUX
- Handled Heroku and Amazon S3 Deployment and maintence of website

GreenDot Alumni: Code The Change | Sept 2017 - May 2018
- Worked with the non-profit Green Dot Public Schools on an alumni platform
- Main backend developer, using Django and PostgreSQL to develop Rest API and admin panel for our mobile application to manage Alumni accounts and data
- Launched React Native app in both Apple and Play store for 200+ student users

Doorstep: A Platform for Free Marketplaces | July 2017 - Aug 2017
- Managed a team of 3 to create this web app meant to reduce waste by building community-based marketplaces, designed both system and UIUX as project lead
- Implemented the backend using an Express.js server and MongoDB

Hotdog: Saving Pets' Lives from Overheated Cars | TreeHacks, Feb 2017
Winner of Best Use of IBM Watson IoT Platform on Bluemix
- Led the exploration of Node-RED to manage back-end development, communicating with a Raspberry Pi to collect car temperature data in a team of 4
- Alerted car owners and 911 of dangerous conditions using Twilio's API if children and/or pets' lives were in danger from overheating cars

HackTube: A Hate-free Online Experience | SBHacks, Jan 2017
2nd Place Overall and Winner of MLH #HackHarassment Challenge
- Developed HTML/CSS and JavaScript for the frontend for our chrome extension meant to remove racist, homophobic, and sexist comments found on YouTube videos

EDUCATION

University of Southern California
Expected May 2020 | Los Angeles, CA
Major: B.S. Computer Science
GPA : 3.82 / 4.0 | **Awards:** Dean's Scholar, Dean's List, Academic Achievement Award

Central Bucks High School East
Jun 2016 | Doylestown, PA
GPA : 4.4 / 4.0
Honors: Summa Cum Laude | Scholar's Diploma
Involvement: Drum major, symphonic and jazz band

SKILLS

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

ORGANIZATIONS

Code the Change | Engineer
Sept 2017 - Present
- Develops production-level applications for Los Angeles non-profits in teams of engineers, designers, and product managers, see "GreenDot Alumni"

Association for Computing Machinery @ USC | Operations Chair
Dec 2016 - Present
- Manages general membership of over 1000+ computer science students and collaborates with 14 fellow officers
- Oversees operations committee which coordinates 50+ yearly events, fosters the mentorship program, and hosts community-building activites

Spark SC | President
Jan 2017 - Present
- Leads 50 member organization, driving the mission of inspiring a culture of innovation and entrepreneurship in USC's community
- Collaborates with 4 others on Core Team to spearhead recruitment, advise members, and build a tight-knit community and organizational culture
- Ensures the success of our 10 committees hosting over 30 yearly events including Startup Career Fair, 1000 Pitches, Hackers, and TechLA Fellows
- Led project to rebrand website, www.sparksc.org, with a team of designers, a writer, and a photographer