TERESA LIU

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EXPERIENCE

FACEBOOK | Incoming Software Engineering Intern
May 2017 - Aug 2017 | Menlo Park, CA

USC VITERBI COURSE PRODUCER | CSCI 103: Introduction to Programming
Aug 2017 - Present | Los Angeles, CA
- Enhancing student learning as an undergraduate teaching assistant for USC's introductory computer science course by hosting office hours, assisting labs, and grading coursework

HORIZONS SCHOOL OF TECHNOLOGY | Fellow
May 2017 - Aug 2017 | San Francisco, CA
- Chosen as a fellow from over 2000+ applications (<1% acceptance)
- Developed full-stack web and mobile applications (see projects)

USC REALIZATION OF ROBOTIC SYSTEMS LAB | Research Assistant
Jan 2017 - May 2017 | Los Angeles, CA
- Developed on the Microsoft Hololens in C# using Unity to create an augmented reality experience meant to guide and train assembly-line workers
- Utilized Vuforia Image Processing to track QR codes on objects for hologram placement

PROJECTS (View code on Github)

DOORSTEP: A PLATFORM FOR FREE MARKETPLACES | July 2017 - Present
- Created a web app aimed to reduce waste by building community-based marketplaces where people post items they no longer need and wish to give away
- Implemented the backend using an Express.js server and MongoDB, then developed the frontend using React.js and managed asynchronous HTTP requests using Redux thunks
- Hosted at https://hellodoorstep.herokuapp.com/

NODEBOOK: A CODER'S COLLABORATIVE TEXT EDITOR | July 2017
- Programmed our Electron desktop app's frontend using React.js and Draft.js to create editor layouts and designed the application's interface using LESS
- Developed collaborative features using web sockets that display live information when others are editing the text, including highlighting and cursor tracking

HOTDOG: SAVING PETS FROM OVERHEATED CARS | TreeHacks, Feb 2017
Winner of Best Use of IBM Watson IoT Platform on Bluemix
- Led the utilization of Node-RED to manage back-end development, communicating with a Raspberry Pi to collect car temperature data and alerting car owners and 911 of dangerous conditions using Twilio's API if children and/or pets' lives were in danger from the heat

HACKTUBE: A HATE-FREE YOUTUBE EXPERIENCE | SBHacks, Jan 2017
2nd Place Overall and Winner of MLH #HackHarassment Challenge
- Developed the frontend and UIUX using HTML/CSS and javascript of our chrome extension meant to remove racist, homophobic, and sexist comments found on YouTube videos
- Featured as a Devpost Staff Pick

SUCCINCT: PRESENTATION SLIDES IN SECONDS | HackUCI, Jan 2017
Winner of Organizer's Choice Award
- Designed and coded UI of our web application that turns essays into slides in a click of a button, filled with images generated by Flickr's API and bullet points of extracted keywords
- Handled the utilization of Google's Natural Language Processing API to extract and

EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA
Expected May 2020 | Los Angeles, CA
Major: B.S. Computer Engineering/Computer Science
Minor: Communication Design Minor
Overall GPA : 3.96 / 4.0 | **Major GPA:** 4.0 / 4.0
Awards: Dean's Scholar, Dean's List,
W.V.T. Rusch Engineering Honors Program

CENTRAL BUCKS HIGH SCHOOL EAST
Jun 2016 | Doylestown, PA
GPA : 4.4 / 4.0 | **SAT:** 2370 / 2400
Honors: Summa Cum Laude | Scholar's Diploma
Involvement: 1st chair symphonic flutist, jazz pianist

SKILLS

Languages: C++, C, Java, HTML/CSS, JavaScript
Development: React.js, Redux, Express.js, Node.js, MongoDB, LESS/SCSS, AJAX, jQuery, ES6, Arduino
Design/UIUX: Adobe Illustrator, Sketch, Figma

ORGANIZATIONS

CODE THE CHANGE | Developer
Dec 2016 - Present
- Develops applications for Los Angeles non-profits
- Working on a project for Green Dot Public Schools as a full-stack developer on a platform for students to stay connected with their schools after graduation to reduce drop-out rates, made using Django and React.js

ASSOCIATION OF COMPUTING MACHINERY @ USC | Logistics Officer
Dec 2016 - Present
- Maintains internal documentation and venue bookings for over 50 yearly events
- Collaborates with fellow officers to provide professional and community-building opportunities

SPARK SC | E-Board Member
Jan 2017 - Present
- **TechLA Fellows** | Director of Marketing: Leads the growth of social media presence in colleges across the nation for our selective summer internship and student-run fellows program
- **Break To Make** | Developed website using HTML/CSS and jQuery for our all-women makeathon promoting women in engineering http://breaktomake.com/