AVA DELACRUZ

avadelac@usc.edu • 860-471-3331 • avadelacruz.com

EDUCATION

University of Southern California • GPA: 3.87   Expected Graduation: May 2022
- B.S. Computer Science, minor in Spanish
- Honors: Grace Hopper Scholar, Rewriting the Code Fellow, National Merit Scholar, Presidential Scholar, Dean's List
- Awards: USC Academic Achievement Award, AthenaHacks 2019 Undergraduate Programming Competition First Place winner

Conard High School • GPA: 4.00   August 2015 - May 2018
- Graduated in three years as a University of Southern California Resident Honors Program early admit
- National Honorable Mention winner - National Center for Women in Information Technology Award for Aspirations in Computing

TOOLS AND TECHNOLOGIES

C++, Java, Python, HTML/CSS, JavaScript, React, Node.js, REST APIs, AWS Lambda, DynamoDB, and Simple Email Service

WORK EXPERIENCE

Software Engineer Intern • Facebook   May-August 2020
- Will be coding high-volume software using primarily C++ and Java, creating web applications using primarily PHP, implementing web interfaces using XHTML, CSS, and JavaScript, and/or building report interfaces and data feeds remotely for Facebook Boston

AFE Software Development Engineer Intern • Amazon   May-August 2019
- Created a full-stack web application that facilitates proposal review meeting scheduling with the AmazonAPI Governance Body
- Reduced the amount of time needed to schedule meetings by 80%, positively impacting 20-25 unique data providers every week
- Automated user authentication, user authorization, time slot selection, time slot reservation, calendar event creation, and attendee invitation via email notifications using HTML, CSS, JavaScript, Node.js, AWS Lambda, DynamoDB, SES, and API Gateway
- Streamlined the code revision approval process for all Amazon Software Engineers whose code directly affects Amazon.com

Director of Service • USC Women in Computing   April 2019 - January 2020
- Develop a comprehensive introductory computer science curriculum highlighting input, output, arithmetic, conditionals, and loops
- Lead coding events and teach K-12 students from historically underserved communities in the surrounding Los Angeles area

Information Technology Intern • Town of West Hartford   June-July 2018
- Configured and troubleshot over 1000 different devices, improving access to technology for over 5000 public school students

TECHNICAL PROJECTS

Cooking Companion • React, Node.js, Express, JavaScript, CSS   November-December 2019
- Full-stack web app that facilitates the decision-making process of choosing what to eat
- Queries the Edamam API and displays a library of recipes that users can favorite and then later browse, edit, or unfavorite
- Implements a random selection algorithm which chooses a recipe from the user's favorites on Pick For Me page load and refresh

Stox.io • JavaScript, HTML, CSS, Java   September-November 2019
- Educational stock trading simulation app created with a team of six peers
- Designed mock-ups for the site using Figma and implemented the front-end for the stock screener page
- Built the search page by querying the AlphaVantage Stock Symbol Search API using user input, dynamically displaying the results, and integrating each search result with its corresponding details page by re-directing and passing key data

AAPI Meeting Scheduler • HTML, CSS, JS, Node.js, AJAX, AWS Lambda, DynamoDB, SES, API Gateway   May-August 2019
- Authenticate potential users using internal Amazon APIs by checking whether or not their ticket has been reviewed by a bar-raiser
- Create, query, and update a DynamoDB time slot availability database using AJAX, AWS Lambda, and API Gateway
- Design and implement an intuitive, dynamic user interface, including:
  - a landing page with a form that performs data validation using JavaScript and Regular Expressions
  - a main page which includes a dynamically enabled meeting-date-selection calendar and time slot selection buttons
  - a final page which displays a customized confirmation message based on the user's login credentials
- Generate calendar invites for selected meeting times and invite attendees automatically using Node.js, Nodemailer, and AWS SES