

AVA DELACRUZ

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Ambitious, bold, and creative self-starter seeking a Software Engineering Internship for Summer 2020 in NYC, Boston, DC, or London. Passionate about learning and encouraging diversity in STEM. Interested in AI, mobile and web development, and tech for social good.

EDUCATION

University of Southern California • GPA: 3.84

Expected Graduation Date: May 2022

- B.S. Computer Science, minor in Spanish
- Honors: National Merit Scholar, Presidential Scholar, Grace Hopper Scholar, Rewriting the Code Fellow, Resident Honors Program
- Awards: First Place - AthenaHacks Programming Competition, Second Place - PwC Cybersecurity Capture-the-Flag Hackathon
- Coursework: Software Development, Algorithms, Data Structures, Discrete Math, Linear Algebra, Differential Equations, Calculus

Conard High School • GPA: 4.00

August 2015 - May 2018

- Graduated in three years with Maximum Honors
- National Honorable Mention Winner - The National Center for Women in Information Technology Aspirations in Computing Award

TOOLS AND TECHNOLOGIES

C++, Java, Python, HTML, CSS, Javascript, jQuery, Node.js, RESTful APIs, AWS Lambda, DynamoDB, and API Gateway, Git

WORK EXPERIENCE

APE Software Development Engineer Intern • Amazon

Summer of 2019

- Creating a full-stack web application which facilitates meeting scheduling for data providers and the AmazonAPI governance body
- Streamlining the code revision approval process for 100% of Amazon Software Engineers whose code directly affects Amazon.com
- Automating user authentication, time slot reservation, selective meeting date and time slot deactivation, and calendar event creation

Director of Service • USC Women in Computing

April 2019-present

- Develop and teach introductory computer science curricula to K-12 students from the surrounding Los Angeles area

Information Technology Intern • West Hartford Public Schools

Summer of 2018

- Managed technology upgrades at 14 public schools by overseeing device inventory, configuration, and network administration

TECHNICAL PROJECTS

AAPI Meeting Scheduler • HTML, CSS, Javascript, Node.js, AWS Lambda, DynamoDB, RESTful APIs

May-August 2019

- Authenticate potential users using internal Amazon APIs by checking whether or not their issue ticket has been pre-reviewed
- Create, query, and update a DynamoDB governance body meeting availability database using AWS Lambda and API Gateway
- Design and implement an intuitive, dynamic user interface, including:
 - a landing page with a form that performs data validation
 - a main page with a meeting-date-selection calendar which automatically-disables non-available dates and time slot selection buttons which are enabled based on DynamoDB data
 - a final page which displays a customized confirmation message
- Generate Outlook calendar invites for selected meeting times and invite necessary attendees automatically using Microsoft APIs

Shop 'Til You Drop • C++

April-May 2019

- Simulates popular online shopping websites by allowing users to search for, rate, view ratings of, add to cart, and buy items
- Wrote a hash function to securely store and later retrieve user credentials in an unordered map in order to authenticate users

Get My Fare • HTML, CSS, and Javascript

April 2019

- Created a Google Chrome extension which allows users to instantly calculate the cost of a Lyft to a searched location

Password Cracker • Python

April 2019

- Self-taught Python and developed a brute-force password solver capable of cracking MD5 hashed passwords

Scrambled Game • Java

May-June 2018

- Designed and implemented a text-based word game with multiple difficulty levels in which the player has a limited amount of chances to correctly guess a randomly-selected word that has been scrambled using a variety of shuffle algorithms