

# AVA DELACRUZ

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## EDUCATION

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University of Southern California • GPA: 3.87

Expected Graduation: May 2022

- B.S. Computer Science, minor in Spanish
- Honors: Twitter #DevelopHER '20, Grace Hopper Scholar, Rewriting the Code Fellow, National Merit Scholar, Presidential Scholar
- 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

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C++, Java, Python, HTML/CSS, JavaScript, Objective-C, PHP | AWS, React, Node.js, Express, Flask, GraphQL, REST APIs, Git

## WORK EXPERIENCE

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Software Engineer Intern • Facebook

May 2020 - present

- Reduce the cost of promoting a Paid Online Event by over 60%, improving advertising accessibility for over three million businesses
- Double the amount of available advertisement offerings for Paid Online Events using PHP, React, and GraphQL
- Resolve logging errors by altering the post-click behavior of ads' call-to-action buttons on iOS using Objective-C

APE Software Development Engineer Intern • Amazon

May-August 2019

- 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

## TECHNICAL PROJECTS

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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

- Full-stack web application that facilitates proposal review meeting scheduling with the AmazonAPI Governance Body
- 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
- Generate calendar invites for selected meeting times and invite attendees automatically using Node.js, Nodemailer, and AWS SES

## EXTRACURRICULAR INVOLVEMENT

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USC Girls in Tech • Director of Design and Marketing

May 2020 - present

- Encourage diversity in tech by raising awareness for the Girls in Tech community and various outside technical opportunities
- Drive engagement by regularly updating the organization's Twitter, Facebook, Instagram, and official website with original graphics

USC Women in Computing • Director of Service

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