

# Jonathan Erick Dominguez

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## EDUCATION

### University of California, Santa Cruz

*B.S., Cognitive Science, Emphasis in Artificial Intelligence & Human-Computer Interaction*

**Santa Cruz, CA**

*Sep 17- Mar 22*

- Recipient of the Kayne Scholarship, Dean's Honors List, GPA: 3.2
- Relevant Courses: Natural and Artificial Intelligence, Artificial Intelligence and Music, Foundations of Video Game Design, Visual and Spatial Cognition, Cryptography

### Personal Projects:

- *Resume Generator* - Created a website through React.js to generate both resumes and cover letters based on user input and a pre-designed template
- *Proposed Convolutional Neural Network (CNN)* - Paper proposing possible way to use CNN to identifying structural damage within reinforced concrete using Radiographs, also known as X-rays
- *Grocery Dash* - An interactive game developed on Construct using the JavaScript language
- *Barber* - Developed front-end using HTML, CSS, and JavaScript, and Photoshop to create wireframe for a non-native app that allowed users to request a barber to their home
- *Pocket Scout* - Built an iOS app using Swift to connect local high school students to college sports scouts

## EXPERIENCE

### Microsoft Tech Career Academy

*Student*

**Los Angeles, CA**

*Sep 22 – Present*

- The IT Academy, powered by Microsoft works to accelerate digital skills development and training for jobs with a focus on Cyber Security and IT. Teaching the fundamentals of cyber security, management, and Cryptography. Collaboration with Microsoft Corp

### Teens Exploring Technology

*Front-End Developer*

**Los Angeles, CA**

*Jun 21 – Oct 21*

- Produced high-quality mockups, 2 prototypes, and 3 wireframes that fit the client's requirements, through a collaborative web application such as Figma for functional and aesthetic designs
- Translated self-created UI/UX designs in order to develop cross-browser and mobile compatible website using HTML5, CSS3, and JavaScript (React.js)
- Created a website through assembling a single page application, troubleshooting solutions to convert text into downloadable PDF, and debugging problems to ensure site is user-friendly and responsive

### Tech Lead Instructor

*Jun 20 – Aug 20*

- Designed and facilitated 90-minute lectures on the fundamentals of the MEAN stack, TypeScript, Ionic Framework, GitHub, HTML, CSS, JavaScript, NPM, and APIs to 40+ students via Zoom
- Supported student learning and knowledge by guiding the class through troubleshooting, debugging, and coding 3 core website features
- Mentored 13 high school students 1:1 through Zoom on web development, resulting in the course completion of over 15 non-native applications

### Fellow Instructor

*Jun 18 – Aug 18*

- Mentored 5 high school students on developing their business ideas from brainstorming through execution using Business Model Canvas and wireframes, in order to pitched to tech investors
- Educated a class of 45 students on the fundamentals of HTML, CSS, JavaScript, Bootstrap, jQuery, and Photoshop, while providing guidance in website development

## SKILLS

**Technical** (In order of proficiency): HTML5, CSS, JavaScript, Python, Java, React.js, Angular, Sass, Node.js, Express.js, SQL

**Other:** Adobe Photoshop, Microsoft Office Suite, Figma, Leadership, Strong Communication, Problem Solving