AN

ANDREW NGUYEN

Student - Designer - Researcher

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EDUCATION

**Cognitive Science
Design and Interaction B.S.
Minoring in Computer Science**

University of California, San Diego
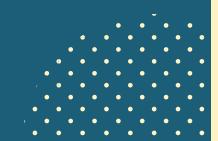September 2016 - June 2020

SKILLS

**Research Methods and Data Analysis
HTML, Bootstrap, CSS, JavaScript, Node.js, React
Google Analytics
Java and C
Creating Digital Mockups, Figma
Needfinding and Paper Prototyping
Presentation and Writing**

EXPERIENCE

WEIBEL LAB
UX Developer and Researcher
Jan 2019 - Present

- Programming and designing a web-based interface with React for Ubistroke, a project which utilizes machine learning algorithms to diagnose stroke through Microsoft's Kinect
- Working closely with neurologists at UC San Diego's Stroke Center in order to collect data and learn about workflow

COGNITION AND COGNITIVE NEUROSCIENCE LABORATORY
Lab Coordinator and Web Designer
Mar 2018 - Present

- Responsible for managing a team of around 10-12 undergraduate researchers
- Developing a fully-functioning new website for the lab using HTML, CSS, and Bootstrap
- Tasked with the scheduling and recruitment of well over 100 study participants every quarter

INTERACTIVE COGNITION LAB
Research Assistant
Jan 2018 - Present

- Analyzes literature in the fields of HCI and Computer Science
- Assists in experiment design and provides feedback on several in-press papers
- Assisting in the instruction and development of COGS 100 a new class on Cyborgs: Now and in the Future

PROJECTS
Further details and other projects can be found at: andrewdnguyen.me

DIABAND
React, Firebase Realtime Database, HTML, JS, CSS, Bootstrap

- Developed a front-end React-based web application for a prototype continuous glucose monitoring device for children
- Used the Firebase Realtime Database to store data for the application
- Created paper as well as augmented reality prototypes which were used for testing

TOXICON
HTML, CSS, JS, Node.js, SQL, IBM Watson API

- Application for inputting video game voice and text communications in order to determine online toxicity
- Programmed using Node.js for back-end and HTML/CSS/JS for front-end
- Used IBM Watson API to transcribe audio and text input and run emotional analysis on transcriptions
- Stored and managed application data using SQLite

COGNITION AND COGNITIVE NEUROSCIENCE LAB WEBSITE
HTML, CSS, JS, Bootstrap, Figma

- A complete website overhaul for UCSD's CCN Lab
- Developed a Figma prototype and proposed a new website layout to the lab's principle investigator
- Built the website from scratch using HTML, CSS, Bootstrap, and JavaScript
- Working to utilize metrics from Google Analytics in order to implement new features