



# ANDREW NGUYEN

Student - Designer -  
Researcher

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Portfolio: andrewnguyen.me

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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

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### 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
- Organizes data collected from hundreds of participants

Research Assistant

Apr 2017 - Mar 2018

- Conducted learning based research tests on participants
- Analyzed and presented on relevant literature at lab meetings
- Designed a fully functional prototype for new lab website

### INTERACTIVE COGNITION LAB

Research Assistant

Jan 2018 - Present

- Analyzes literature in the fields of HCI and Computer Science
- Presents on findings at regularly scheduled meetings
- Runs in-person experiments and assists in experiment design
- Assisting in the instruction of COGS 100 at UCSD a class on Cyborgs: Now and in the Future during the Fall 2018 quarter

## PROJECTS

Further details and other projects can be found at: [andrewnguyen.me](http://andrewnguyen.me)

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### 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