

DUY NGO

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EDUCATION

University of California, San Diego

Sep 2017 - Apr 2020

Bachelor of Science Computer Science, GPA: 3.5

San Diego Miramar College

Jan 2015 - May 2017

Associate of Science Mathematics, GPA: 4.0

PROJECTS

NeuroTetris

- A Tetris game utilizing NeuroSky headset to create a Brain-Computer interface that enhances user experience with the game by reading their brain waves.
- Collected and processed users meditation, attention and blinking data in real time to allow users to control the speed of Tetris blocks as well as the game's theme and music.
- Incorporated OpenVibe, Python-mindwave and Pygame APIs to reduce the delay of data transmission.

Open Source Web Components Library

- Worked as DevOps in a team of 10 students in development of a well-documented web component library written in HTML, CSS and JavaScript practicing Agile methodology.
- Monitored CI pipeline using TravisCI, ESLint and multiple testing frameworks like Mocha, Chai, and CodeClimate.
- Researched and developed new features for the slider and tool-tip components.

Personal Best

- Worked as back-end developer in an Agile team of 6 on an Android application that allowed users to track their fitness goals, socialize and encourage other users.
- Used Firebase Cloud Messaging to implement user text messaging and Firebase database for data storage and push-notifications.

EXPERIENCE

UCSD Global TIES

Jan 2020 - Current

Team Lead

- Led a multidisciplinary team of 9 to design and implement a mobile application prototype that include features such as personal profile, dog recommendation, event scheduling, direct messaging, customer feedback.
- Worked directly with clients at The Animal Pad, a San Diego animal rescue to improved quality and efficiency of communication and support for their fosters and adopters.
- Created application mock-up, iterated and improved based on user testing and feedback from stakeholders.
- Maintained positive team dynamics and improve team efficiency by utilizing different project management tools such as Notion, Gantt Chart, Priority List.

Cisco Systems Vietnam

Jun 2018 - Sep 2018

Network Engineer Intern

- Attained training on different Cisco's Networking Security technologies such as Meraki and ISE
- Helped install, maintain, and configure Cisco networks and learned Cisco routing and switching
- Accompanied engineers to consult clients and made recommendations for network planning and upgrades

TECHNICAL SKILLS

Languages:

Java, C, C++, Python, HTML, CSS, JavaScript

Tools:

Android Studio, ZenHub, CircleCI, Git, GoogleFit, Firebase, React, Flutter

Other techniques:

Agile, Android Development, Unit Testing, Object-Oriented Design, Design Patterns