

Tam Nguyen

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EDUCATION

University of California, Irvine
Bachelor of Science - Computer Science

September 2016 - June 2020
GPA: 3.53

PROJECTS

SmartCycle

October 2019 - November 2019

- Worked with team of students to develop trash can that can distinguish between mixed recycling and landfill
- Developed full stack Android application for Amazon Fire Tablet with Java, Android Studio, Firebase
- Implemented Google Visions API to generate labels for given trash items, and used calculated scores to categorize item into proper bin
- Scripted Python code for Raspberry Pi B+ to access Firebase and actuate stepper motor inside trash can

Smart Real Estate Signs (SmartRES)

April 2019 - August 2019

- Co-founded startup focused around developing IoT digital real estate signs with dual-sided screens
- Developed full stack iOS application with Swift, Heroku and Parse server (migrating towards Firebase/AWS IoT)
- Scripted Python code for Raspberry Pi Zero W to pull and display data on LCD screens in real time
- Won third place and \$1000 for one bracket of UCI New Venture Competition
- Presented idea to overseas investors and manufacturers in Suzhou, China

AugmaAR

February 2019 - March 2019

- Developed full stack iOS application with a team of students using Swift, Heroku, and Parse.
- Provided functionality for users to browse and search through a gallery of art pieces or photographs from other user uploads as well as buy and sell pieces.
- Implemented Apple ARKit to allow users to project their selected pieces onto real-world 2D vertical planes (walls).
- Uploaded pieces and their subjects are automatically identified using Google Visions API, and their respective tags are generated for user to select from.

EMPLOYMENT

UCI Office of Information Technology

March 2019 - present

Front-End Developer

- Created and tested CRUD Web application using React/JS, Material UI, Bootstrap, HTML, CSS, Cypress
- Worked with API endpoints written in-house using Python to access University databases
- Production-level app was used extensively by help desk employees and facilitated workflow when fielding IT related incidents

Help Desk Technician

- Responded to and assisted users with troubleshooting campus-wide technologies and services
- Created detailed incident reports and assigned to various specialist teams

TECHNICAL SKILLS

Languages: Proficient with Java, Javascript, Swift; Experienced with Python, C/C++

Databases: Experienced with SQL, Parse server, Firebase

Frameworks: Experienced with React.js, Bootstrap

Additional: Git/Github, HTML5, CSS3, Heroku, Cypress, Node, Webpack, XML