Hardy Pham

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experience

Zulip
Open Source Contributor
- Developed new features for Zulip's open source chat application
- Designed backend fixes to address bugs
- Increased testing coverage through unit and functional tests

*Summer 2017
to Present*

Shazam
Software Engineer Intern
- Maintained and developed the music submission control panel
- Created a new upload system, increasing upload rates by 200%
- Designed RESTful APIs to parse and store music track information
- Created new front-end features to improve user efficiency

Summer 2016

projects

Intertial Guidance System
- Created a system that interfaces an IMU sensor to provide users with accelerometer and gyroscope readings
- Implemented features that enabled advanced configurability of the sensor
- Designed a GUI that allows users to easily control the sensor settings
- Project was sponsored by ViaSat

Winter 2017

Trivia Trip
http://TriviaTrip.herokuapp.com
- Created a web app that showcases a variety of trivia questions
- Implemented a scalable interface for cross device usage

Fall 2016

Head Controlled Wheelchair
- Designed a wheelchair system that uses head motions to control a motor
- Wrote scripts to parse and aggregate head movement coordinates
- Optimized scripts to acquire images, increasing acquisition rates by 500%

Spring 2016

Micromouse
- Created an autonomous robot that utilizes IR sensors to solve a maze
- Implemented a flood-fill search algorithm to navigate and solve the maze
- Designed a PID controller to stabilize straight forward movement

Winter 2016

languages
Python, Java, JavaScript, PHP, HTML, CSS
tools
Git, jQuery, Jira, AJAX, Unix
courses
OOP, Data Structures, Algorithms, Discrete Math, Software Engineering

education

University of California, San Diego
Bachelors of Science in Electrical and Computer Engineering

March 2017