

JUSTIN PUNZALAN

SOFTWARE ENGINEER

Employment

RESET Content

Technical Robotic Consultant & Production Assistant

Irvine, California
Mar 2016 to Mar 2016

- Informed set managers on what the robots were capable of
- Ensured that all robots were functional
- Programmed several robots on set

Yudek

Intern

Pasadena, California
Jun 2016 to Aug 2016

- Full-stack web development
- Built with Ember.js and PHP
- Maintained and created several pages

Projects

LA Hacks @UCLA - April, 2016

UCLA's Annual Hackathon

- Created an Android app that lets you run a scavenger hunt around the world
- Completed a material design mock-up with Photoshop
- Users use NFC tags to store images
- Goal is to collect as many images as you can
- Made with Java, Azure, Android Studio, XML, Photoshop and MEAN.js

Modular Teleoperated/Autonomous Robots

Programmed Team 4 ELEMENT's Robots

- Created and implemented algorithms that smooth motion and ensure reliability
- Implemented PID Control Loops, Vision Tracking and Motion Profiling
- Controlled via Xbox 360 controllers
- Made with Java

Rocket Flight Computers

Created Two H Class Rockets

- Made 2 Flight Computers that recorded Altitude, Location, Speed and Voltage
- Deployed Parachutes at Apogee
- Made with AIM BASE & XTRA

HackingEDU @San Mateo Event Center - October, 2015

Event Specialized in Learning New Skills

- Created an app that subconsciously teaches people through text messages
- The user defines the terms they want to learn
- The app exposes the user to the term(s) 2-3x more often than normal
- Made with Java, Twilio, HTML, CSS, Skeleton and Ngrok

Awards

The Valley Economic Alliance - First Place, Valley Hackathon Winner

Nov 2015

- Created a responsive landing page that encourages people to set up their businesses in the San Fernando Valley

Karl Mehta - CEO of EdCast - Google Hackathon, Most Dedicated & Youngest Programmer

Aug 2015

- Created a simple SMS/Web application that helps prevent malnourishment and starvation in India
- Used medical information to add specific fruits and vegetables to their diet in order to combat malnourishment
- Used historical data provided by teachers to predict attendance at school

John Ingram - Design Thinking Teacher - Top Design Thinker

Winter 2015

- Best application of good design and user experience
- Placed top out of 30 students

Justin Brezhnev - CodeDayLA Host - CodeDay 0-60, Best Beginner Project

Spring 2015

- Created a web application that saves the user's parked car's location
- Never forget where you parked

Activities

FIRST Robotics - Head Programming Mentor

Sep 2015 to Current

- Used Java to program a multi-functional robot using a modular approach
- Competes against hundreds of other robots during FRC competitions
- Designed a programming curriculum to teach programming to interested high school students

Design Thinking - Student

Fall 2014 to Spring 2015

- Learned the Ideation Process
- Practiced and learned practical applications of good design and user experience

Contact

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Education

California State University Northridge
Incoming Freshman
Computer Science Major
Expected Graduation: 2020

Skills

LANGUAGES

Java
HTML
CSS
Javascript
Python
C++
Visual Basic

PLATFORMS

Android
Bukkit
WPI Robotics
Twilio
OpenCV
Firebase
Ember.js
Node
Linux

UI/UX

Photoshop
Material Design