

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

TheBBCCodeClub

Sep 2016

Created a web application that converts text into the BBCode format

- Adds styling to plain boring text
- Material design themed
- Useful for forum users and certain social media pages
- 20 active users a day.

CelverText

Dec 2016

Hacked together an AI chatbot via the CleverBot API and Twilio SMS services

- Simply text the number and have a random conversation about anything
- Built with express.js

Modular Teleoperated/Autonomous Robots

Sep 2015 to Current

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

Mar 2016

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

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

Visual Basic

PLATFORMS

Android

Bukkit

WPI Robotics

Twilio

OpenCV

Firebase

Ember.js

Node

Linux

UI/UX

Photoshop

Material Design