JUSTIN PUNZALAN
SOFTWARE ENGINEER

Employment

RESET Content   Irvine, California
Technical Robotic Consultant & Production Assistant   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   Pasadena, California
Intern   Jun 2016 to Aug 2016
- Full-stack web development
- Built with Emberjs and PHP
- Maintained and created several pages

Projects

Supreme Store Bot   Sep 2017 to Dec 2017
Created a chrome extension that buys Supreme Clothing via Web Store
- Uses the chrome extension API
- Allows items that are normally sold out in 5 seconds to be bought with ease
- Can only be used with password due to only 4 people having the program

TheBBCodeClub   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 expressjs

Modular Teleoperated/Autonomous Robots   Sep 2015 to Current
Programmed Team 4 ELEMENT's Robots
- Created and implemented algorithms that smooth motion and ensure realiability
- Implemented PID Control Loops, Vision Tracking and Motion Profiling
- Controlled via Xbox 360 controllers
- Made with Java

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 Ingrum - 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

Tutoring - Programming Tutor   Sep 2016 to Current
- Ages 10-28
- Java OOP
- Robotics
- Web Development with Node (Emberjs and Expressjs)
- Visual Studio

Contact

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Education

California State University Northridge
Sophomore
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
SQL
GraphQL
React.js

UI/UX
Photoshop
Material Design