

Prashan Dharmasena

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<http://qrazhan.com>

Education:

University of California, Berkeley - Intended B.A. in Computer Science (May 2017)

Montgomery Blair High School - Science, Mathematics, and Computer Science Magnet Program (2013)

Technical Skills: Java, Python, Android, HTML, CSS, JavaScript, SQL, UNIX Shells, Bluetooth Low Energy

Work Experience:

Department of Psychiatry, School of Medicine, UC Davis - Software Engineer Sept 2014 - Current

- Investigating the usability of speech-to-text, text translation, and text-to-speech libraries together for production use in psychiatric evaluations by developing an Android tablet/Google Glass application

Lockitron (YC S09) - Mobile Engineering Intern June 2014 - Current

- Led the development of a feature that automatically unlocks your door as you approach it using the Android Geofencing API and Bluetooth Low Energy signal strength
- Implemented Bluetooth Low Energy communication with the Lockitron device on both Android and iOS platforms and created a queuing system for writing/reading via Bluetooth Low Energy
- Implemented various UI features to bring the Android application up to speed with the iOS version

Xvolve, Inc. - Software Engineer Sept 2013 - June 2014

- Led the design and development of a RESTful API and MySQL database backend for an iOS application
- Managed hosting of website/backend with Apache on a Rackspace Virtual Private Server

Center for Advanced Transportation and Technology Lab - Junior Developer Summer 2010 - Summer 2013

- Built a RESTful API for uploading data and interacting with a Postgres database
 - Created a website for authorized users to upload custom XSL files to a database
 - Wrote a multi-threaded stress test that bombarded the development server with HTTP requests
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Personal Projects:

TwitchDroidTV - <https://github.com/qrazhan/TwitchDroidTV>

- Twitch app for Android TV. Built at Cal Hacks 2014

hunter2 - <https://play.google.com/store/apps/details?id=com.qrazhan.hunter2>

- The first Product Hunt app for Android on the Play Store with over 1500 installs and a 4.5 rating
- Allows users to view products posted on Product Hunt and view threaded comments

Hearthstone Card Lookup - <http://bit.ly/hclookup>

- A Chrome extension that allows users to search and quickly see information on Hearthstone cards

BearCheck - <http://bearcheck.herokuapp.com>

- A service to notify UC Berkeley students when seats open up in their classes
- Built in Python using the Flask framework, Requests, and the Mailgun API

PROK - <http://bit.ly/prokgame> (Gameplay Video)

- A “bullet-hell” style game written in Java, using the Slick2D framework
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Awards:

1st Place - 22nd Annual University of Maryland High School Programming Contest

2nd Place - Center for Entrepreneurship & Technology’s Big Data Industry Challenge

Distinction in BerkeleyX’s CS188.x: Artificial Intelligence

Rochester Institute of Technology Computing Medal Award

Extra-Curricular Activities:

Sigma Eta Pi Entrepreneurship Fraternity - Director of Technology

- Designed website using Bootstrap with a Ruby on Rails backend (<http://ucberkeleysep.com>)