



Henry Yu

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Current Coursework

- Operating Systems
- Programming Languages

Relevant Coursework

- Data Structures & Algorithms
- Computer Networking
- Computer Security
- Computer Architecture
- Computational Thinking
- Automata / Formal Languages
- SAS Base Programming

Skills

- Java, C/C++, C#, Python
- JavaScript, PHP, Ruby
- SAS
- .NET, Rails, Backbone.js
- Drupal, WordPress
- Fluent in Mandarin Chinese

Affiliates

- **Alpha Kappa Psi**
Professional Business Fraternity

Education

University of California, Santa Barbara

B.S. Computer Science, Minor in Statistics & Technology Management

June 2018 (Expected) 3.5 GPA, Dean's Honor List

Experience

KTech Software Developer Intern, KPMG LLP

Seal Beach, CA – June 2016 – August 2016

- Spearheaded entire development process on a new application: sprints, code reviews, unit tests, scrums [Agile]
- Developed a .DAT file viewer written in C# using Windows Presentation Foundation, MVVM architecture, .NET framework as a component of the KPMG Discovery Radar 5 project
- Collaborated and worked with associate developers on the integration of the .DAT file viewer with Discovery Radar 5

Software Development & Quality Assurance Intern, ONTRAPORT

Santa Barbara, CA – January 2016 – March 2016

- Created a working CRM system using PHP and MySQL incorporating RESTful procedures, OOP concepts, and MVC architecture
- Developed automated tests using Selenium and Java to test ONTRApages
- Utilized JIRA and Confluence for bug tracking and task handling

Quality Assurance Test Automation Intern, Fortinet

Sunnyvale, CA – June 2015 – September 2015

- Developed FortiSwitch test cases from specifications into test plans using Python, Robot Framework, and IxNetwork
- Tested and improved the scalability of company devices by increasing the virtual packet size exponentially by implementing VLAN's and SVI's
- Identified, documented, and followed through on bugs regarding test suites and cases using Jenkins and Testlink

Projects

NovaTooth | Santa Barbara, CA – October 2016 – Present

- Goal is to develop a Man-in-the-Middle attack on a Bluetooth device to create more exposure on the common weaknesses of Bluetooth
- Device built on a Raspberry Pi, implemented via Python scripts on Kali Linux with corresponding Bluetooth libraries
- Any data sent over Bluetooth will be recorded in an mp3 file, and then transcribed from audio to text for further analysis

easyPark | Santa Barbara, CA – April 2016 – May 2016

- Developed a web application via Ruby on Rails that allows people to book and list parking spaces for a temporary amount of time.
- Launched on Heroku, utilizes Facebook authentication and Google Maps API and Bootstrap

Conversion Showdown! | Santa Barbara, CA – Feb. 2016 – March 2016

- Developed an Android application that consists of quizzes testing conversions between binary (including masking), decimal, octal, and hexadecimal in an interactive and aesthetic GUI.