

# Steven Tan

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## Education

June'16

California Polytechnic State University, San Luis Obispo

*Bachelor of Science, Computer Science*

## Experience

**Full Stack Developer** - Cal Fire, Los Osos CA

March 2015- Oct 2015

- Communicated with non-technical co-workers to help develop the products that fits their needs
- Used D3.js to integrate GeoJson files to create web applications for the multiple counties
- Worked with MapBox, OpenStreetMap, and other APIs to create map-based applications for GIS co-workers
- Saved an hour of manual work daily by automating data-entry into Google Excel Spreadsheets from server
- Designed and implemented Jekyll to create a simplified and dynamic web guides for all new interns/employee

**Web Developer Intern** - Haberdashion, San Luis Obispo CA

Oct 2014 - March 2015

- Redesigned UI for a web app using Haberdashion's API
- Used Vagrant VM to provide the front end HTML/CSS in addition to PHP on top of MySQL
- Communicated with graphic designers to make decisions on design layouts and implementations.
- Understood the pros and cons with working in a small tight-knit startup environment

**Team Leader : Authoring Tool**- California Polytechnic University, San Luis Obispo CA

Sept 2014 - Dec 2014

- Created an authoring tool for tutorials using Java Swing
- Scheduled, oversaw, and provided tasks for multiple members of a six person team
- Used Agile Development; followed requirements with one week sprints and daily stand up meetings

## Projects

**Web Speech API Google Plugin**

March 2015 - Dec 2015

- Directs voice commands to particular websites
- Manipulates web pages functions such as print, new tabs, and more
- Created API library to import voice commands to web games

**Lightweight Scheduler**

Sept 2015 - Dec 2015

- Worked in C to create a program to switch between processes

**Chat Client**

March 2015 - June 2015

- Worked on a network's project that involve sending and receiving tcp and udp packets
- Allowed sending private messages and announcements to multiple connected clients

**Guild Wars 2 M.M.O. Datamining**

Dec 2014 - June 2015

- Uses Gixel, a custom made open-source tool, to extract and archives from the game
- Extracts the string from a .dat in C# (Visual studio)

**The Red Balloon (Animation Short)**

Sept 2014 - Dec 2014

- Created a simple short with animation and different models in addition with images with Maya Autodesk

## Skills

**Languages :** C, Java, HTML/CSS, JavaScript, SQL

**Tools:** D3.js, Agile Development, MySQL/HeidiSQL, GitHub/BitBucket, OpenGL, VMWare, Maya, React.js

## Notable Coursework

Design and Analysis of Algorithm  
Introduction to Game development  
Developing with Cloud Services  
Programming Languages  
Introduction to Operating Systems

Introduction to Database Systems  
Introduction to Computer Graphics  
Digital 3D Modeling and Design  
Technical Writing  
UI/UX Design