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## ANTHONY LEE

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**Objective:** Computer Science graduate seeking an internship/ full-time position in front-end software development or software quality assurance

### EMPLOYMENT

Instructor	Engineering For Kids	Summer 2017
<ul style="list-style-type: none"><li>Instructed various courses focused on physics in mechanical, electrical engineering and computer logic through coding and game design classes</li><li>Engineering courses instructed through hands-on building projects</li><li>Coding courses were taught in Scratch and Python</li><li>Game design utilized ClickTeam Fusion</li></ul>		

### EDUCATION

Santa Cruz, CA	University of California, Santa Cruz	Fall 2014 – Spring 2018
<ul style="list-style-type: none"><li>Computer Science (B.S), GPA: 3.5</li><li><i>Undergraduate Coursework:</i> Data Structures; Comp. Architecture; Algorithms and Abstract Data Types; Algorithm Analysis; Operating Systems; Database Systems; Comparative Programming Languages; Android Development; Software Engineering; Software Design Project (Capstone).</li></ul>		

### TECHNICAL EXPERIENCE

Projects	Technologies Used
<ul style="list-style-type: none"><li><b>Paper Game</b> (2016). Summer project – Level-based Indie-platformer game.</li><li>Self-study summer project out of interest in creating video games and understanding the game development work-flow environment</li><li>Implemented player, enemy, world collision and physics</li><li>Implemented main menu navigation logic</li><li>Designed artwork for player, enemy, object assets</li></ul>	<i>GML (GameMaker Studio)</i>
<ul style="list-style-type: none"><li><b>Fam – CMPS115 Software Engineering</b> (2017). Web app.</li><li>Web app project created in CMPS115 with the focus of understanding Scrum framework and interest in creating a more flexible version of Yelp</li><li>Allows users to freely rate and review any locations &amp; activities and share &amp; plot onto a global map</li><li>Designed logo, login page and profile page interface</li><li>Implemented login and profile page functionality</li><li>Connected user profile page to be able to pull their own reviews from the MongoDB database</li></ul>	TypeScript; JavaScript & CSS (Bootstrap); HTML; GoogleMap API; MongoDB
<ul style="list-style-type: none"><li><b>Automate</b> (2017). Summer project.</li><li>Self-study summer project to further understanding and knowledge of task automation and regex module</li><li>Script to automate parsing and writing of log/ data dump files</li></ul>	<i>Python</i>

- **Welp – CMPS121 Android Development** (2017). Android app.
  - Android app project created in CMPS121 to further familiarize self with the Android environment and gain experience in implementing various APIs
  - Recommends food/ activities based on current time, weather and location
  - Designed logo and filter assets and theme
  - Designed interface layout for business profile pages
  - Connected business pages to backend to pull Yelp data to view
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- **Censsit – CruzHacks** (2018). Google Chrome extension.
  - Hackathon project completed in 36 hours out of interest in creating accessible tech
  - Censors profane comments on Reddit platform
  - Accomplished parsing of Reddit comments
  - Implemented profanity filter algorithm
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- Other hackathon projects include:
  - **Samaritan – HackUCSC** (2016). iOS app; **Hitch – HackUCSC** (2017). Android app.
  - Involved in front-end development and UI designs
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- **SproutLabs Smart Home Integration – CMPS116/7 Software Design** (2018).
  - Senior capstone project sponsored by SproutLabs, LLC that focuses on water conservation and agriculture by facilitating data-driven plant-care
  - Project team's concentration is on the Alexa and Google Home integration to the pre-existing (mobile-friendly) web app that connects to SproutLabs sensor-devices which aggregate environmental data into graphs to empower users to make data-driven decisions in regards to their plants
  - Implemented function to check water usage readings
  - Improved functions from static to dynamic node reading
  - Linked login page to SproutLabs user account info by parsing and appending parameters to redirect\_URI

*Java (Android Studio);  
Yelp Fusion;  
Dark Sky API*

*JavaScript;  
HTML/ CSS*

*JavaScript (Node.js);  
EchoSim;  
Google Actions Simulator*

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## **Languages and Technologies**

- Python; Java; JavaScript; HTML/ CSS
- Android Studio; Xcode; Amazon Alexa; Google Home; MEAN stack; Git; Jira