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Objective: University 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">Instructed various courses focused on physics in mechanical, electrical engineering and computer logic through coding and game design classesEngineering courses instructed through hands-on building projectsCoding courses were taught in Scratch and PythonGame design utilized ClickTeam Fusion		

EDUCATION

Santa Cruz, CA	University of California, Santa Cruz	Fall 2014 – Spring 2018
<ul style="list-style-type: none">Computer Science (B.S), May 2005. GPA: 3.5<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).		

TECHNICAL EXPERIENCE

Projects	Technologies Used
<ul style="list-style-type: none">Paper Game (2016). Summer project – Level-based Indie-platformer game.Self-study summer project out of interest in creating video games and understanding the game development work-flow environmentImplemented player, enemy, world collision and physicsImplemented Main menu navigation logicDesigned artwork for player, enemy, object assets	<i>GML (GameMaker Studio)</i>
<ul style="list-style-type: none">Fam – CMPS115 Software Engineering (2017). Web app.Web app project created in CMPS115 with the focus of understanding Scrum framework and interest in creating a more flexible version of YelpAllows users to freely rate and review any locations & activities and share & plot onto a global mapDesigned logo, login page and profile page interfaceImplemented login and profile page functionalityConnected user profile page to be able to pull their own reviews from the MongoDB database	TypeScript; JavaScript & CSS (Bootstrap); HTML; GoogleMap API; MongoDB
<ul style="list-style-type: none">Automate (2017). Summer project.Self-study summer project to further understanding and knowledge of task automation and regex moduleScript to automate parsing and writing of log/ data dump files	<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 Reddit comments
 - 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** (2017-2018).
 - 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*

Languages and Technologies

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