

Joshua McDonald

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Education

California State University San Marcos

Bachelor of Science in Computer Science

GPA: 3.80 / 4.00

Expected Graduation: Dec 2021

Awards: Deans List for 6 Semesters

Skills

- **Languages**
 - (*Proficient*): Python, JavaScript, Java, CSS, HTML, SQL, XML
 - (*Familiar*): C++, C, G-code, C#
- **Frameworks & Databases**
 - React, Django, Flask, Node.js, Angular, MongoDB, MySQL

Work Experience

- **Software Engineer Intern** *Viasat Inc.* *May 2021 – Aug 2021*
 - Developed a REST API with Node.js and MongoDB to allow users to communicate to the company's PLM system
 - Deployed workflow automations to streamline tasks such as data entry and queries.
 - Tested compatibilities of software with python and reported functional bugs
- **Front Desk Agent** *Diamond Resorts* *May 2018 – Oct 2020*
 - Completed the registration process by inputting and retrieving information from the computer system, confirming pertinent information

Projects

- **Stem Cell Bio Printer**
 - Application that creates machine code to combine cells, growth factors, and biomaterials to fabricate biomedical parts.
 - Additional functionality includes pausing printing to solidify object with black light and utilizing sensors to analyze heat. **Python, G-code**
- **Instagram Web Scraper**
 - A program that automates commonly used functions on Instagram such as logging in, liking posts, following users, and downloading images. **Python**
- **Geocoding Program**
 - A program that finds places of interest around a certain location given by the user. Utilizes google geocoding/places API. **Python**
- **QR & Barcode Scanner**
 - Android application that scans and returns information from a barcode
 - Generates a barcode from text input from user. **Java, XML**

Activities

- SD Hacks *2017, 2018, 2019*
- Fab Friday Software Development Club *Spring 2020*