

William Castelli

Carlsbad, California

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EXPERIENCE **Software Engineer • Viasat Inc. • May 2020 - Present**

- Developed internal full stack web applications using React.js (Next.js) and Node.js using AWS services (CDK, Lambda, S3, DynamoDB)
- Created internal REST APIs with Python and the Flask web framework
- Improved internal search experiences by implementing Elasticsearch
- Deployed containerized Docker applications onto a Kubernetes cluster

Software Engineering Intern • Viasat Inc. • June 2019 - September 2019

- Created applications using the Slack API to assist in the company's transition from HipChat to Slack.
- Continued development of Selenium based automated testing framework to verify functionality of internal services
- Created CI/CD pipelines to automate application deployment using Jenkins and Ansible
- Applications developed using Python, Java, and SQL, deployed on AWS instances

Software Engineering Intern • General Atomics ASI • June 2018 - September 2018

- Designed, wrote, and executed Python scripts to verify flight simulation software
- Developed unit tests used in a Jenkins continuous integration stage

EDUCATION **University of California, Irvine • Computer Science • 3.85 GPA**

- Graduated with a B.S. in Computer Science in March 2020
- Specialization in Information

SKILLS

Python	Javascript	Docker	AWS	Linux	HTML
Flask	React.js	Git	REST	SQL / NoSQL	CSS

PROJECTS

Silicon Info • Mac menu bar application developed to assist users during the transition to Apple Silicon. Informs the user whether an application is running natively on ARM or translated through Rosetta 2. Published on the Mac App Store with 25,000+ downloads (<https://github.com/billycastelli/Silicon-Info>).

MLB Batting Stats • Full stack web application built with Next.js, Elasticsearch, and AWS (API Gateway, Lambda). Allows the user to search through historical batting records of Major League Baseball players. Statistics are plotted and graphed. Deployed with Vercel. (<https://mlb-quickstats.vercel.app>).

Movie Watchlist • Full stack web application built using Python, Flask, and MySQL. Allows the user to create custom lists of films. Movie information obtained from The Movie Database API. Deployed with Heroku (<https://watchlist.williamcastelli.com>).

Personal Website • Website built using React.js (Next.js framework) to display projects and personal information. Deployed with Vercel. (<https://williamcastelli.com>).