

# Billy Castelli

Cupertino, California

CELL (760) 707-7076 • E-MAIL [billycastelli@gmail.com](mailto:billycastelli@gmail.com) • GITHUB [github.com/billycastelli](https://github.com/billycastelli)

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## EXPERIENCE **Full Stack Software Engineer • Apple Inc. • November 2021 - Present**

- Developed full stack web applications using Django, Angular.js, and Tailwind
- Created and maintained REST APIs using the Django Rest Framework
- Leveraged Elasticsearch to improve the search experience for company wide tool

## **Software Engineer • Viasat Inc. • May 2020 - November 2021**

- Developed internal full stack web applications using 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 in Viasat's intranet

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

- Created tools using the Slack API to assist in Viasat's transition from HipChat to Slack.
- Developed Selenium based automated testing framework for internal services
- Created CI/CD pipelines to automate application deployment using Jenkins and Ansible
- Applications developed using Python, Java, and SQL. Deployed on AWS.

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

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

<b>Python</b>	<b>Javascript</b>	<b>Docker</b>	<b>AWS</b>	<b>Linux</b>	<b>HTML</b>
<b>Django</b>	<b>Flask</b>	<b>Git</b>	<b>REST</b>	<b>SQL / NoSQL</b>	<b>CSS</b>

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## 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 150,000+ 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://github.com/billycastelli/MLB-Stats-NextJS>

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

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