

Brian Figueroa

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Technical Skills

Languages: Java, Python, JavaScript, Bash, C

Database: MySQL, DynamoDB, Google Firestore

Methodologies: Agile, Scrum, Kanban

Architectures: Server-client, Micro-service, REST

Web Development: CSS, HTML5, jQuery, Flask, React, Tomcat

Version Control: Git, GitHub, Gitlab

Other: Linux/Unix Environments, Docker

Education

**BACHELOR'S DEGREE IN COMPUTER SCIENCE | FLORIDA INTERNATIONAL UNIVERSITY | MIAMI, FL
EXPECTED FALL 2021**

- 3.83 GPA, achieved Dean's List in Fall 2018 - Spring 2020

**ASSOCIATE DEGREE IN COMPUTER SCIENCE | MIAMI DADE COLLEGE | MIAMI, FL
GRADUATED FALL 2018**

- 3.7 GPA, achieved Dean's List from Fall-2017 - Fall 2018

Internship & Work Experience

Zillow Group, Software Development Engineer Intern | June 2020 - August 2020

- Wrote bash scripts and implemented Gitlab's CI/CD to create and automate maintenance of application performance monitoring features for ZG micro-services using the Datadog platform and their APIs.
- Coordinated with UI/UX and DevOps teams to allow automatic, hands-off sending of emails to users by created email templates in HTML and writing code in Java to extract values from JSON files to personalize emails before sending.
- Designed and developed a dynamic webpage for an existing web-app to provide non-technical admins a web interface to view and manage sensitive information stored in Zillow's MySQL and DynamoDB databases.
- Integrated Gitlab CI/CD to support deployment of several micro-services from development to stage environments.
- Implemented existing code to build and expose a new API endpoint for a micro-service.
- Wrote missing unit tests on existing functions using Junit5 in order to achieve 100% test coverage.
- Collaborated within a team using practices from Scrum such as daily standups and bi-weekly sprint planning/demo/reflection.
- Incorporated Kanban practices with Jira to manage stories during a sprint.

Code Explorers, Programming Instructor | January 2019 – August 2019

- Taught core CS concepts to children of ages 7-13.
- Engaged students by helping them create demoable applications across mobile, gaming, and VR.

Florida International University, Student Grader | January 2019 – April 2019 | August 2020 - Present

- Evaluated and graded Junior level programming assignments written in Java.
- Inspected the code visually for structure and quality as well as checked for functionality.

Projects

Portfolio Website: www.brianfig.com

Surveillance Website (Python/Flask, Heroku)

- Developed a web-app that allows remote view of my webcam livestream to find out who keeps stealing my mail.
- Implemented OAuth framework to prevent unauthorized users from accessing the stream and OpenCV library for streaming functionality.

Hackathon DEBAIT – Article Bias Scanner (Python)

- Collaborated with a team to create an iOS app that will scan articles and provide an estimation of how biased it is.
- Implemented Google's natural language processing API for sentimental analysis to read "emotion" off text.
- Created backend servers to web-scrape html content from webpages, extract the appropriate text from the html, and send the text to the API.

"Henry Books" School Project (Java, Tomcat, MySQL)

- Created a web-app to let users view and modify contents of a database with a user-friendly interface.
- Designed database schema to store information regarding books, prices, authors, location availability, etc.
- Deployed web-app with Tomcat and developed frontend and backend with JSP and Servlets.