

# Bruce A. Berrios

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## Education

### Florida International University

Fall 2018 – Spring 2022

#### Bachelor of Arts in Computer Science

- 3.850 GPA
- Florida Academic Scholars Award
- Gold and Blue Merit Scholarship Recipient
- Dean's List

## Experience

### Blend

May 2020 – Aug 2020

#### Software Engineer Intern

- Collaborated with a full-stack engineering team in charge of developing mission-critical features that help borrowers going through the mortgage process get pre-approved faster.
- Experienced agile software development methodologies using Confluence and Jira.
- Contributed to the RESTful API of a microservice in charge of usability benchmarking for the loan application page.
- Wrote tests for all contributions and bugfixes using testing tools such as Jest and Sinon.
- Worked with various technologies and frameworks such as TypeScript, Node, Express, React, and PostgreSQL.

## Projects

### CovidSync – PantherHacks

Jul 2020

#### Web Application | React – Node/Express – Cloud Firestore – Git/GitHub

- Developed a full-stack application that integrates various APIs and services such as Google Cloud Translation and Mapbox to provide crucial resources for the Spanish-speaking and bilingual communities about COVID-19.
- This platform empowers users by providing locations of nearby testing centers and by translating details of available jobs within their local community.
- Won 2<sup>nd</sup> place and selected by Google for best use of Google Cloud technology.

### Pathfinding Algorithm Visualization Tool

Oct 2019 – Dec 2019

#### Web Application | JavaScript – HTML – CSS

- Developed a web application that allows users to interact with and visualize common pathfinding algorithms including Breadth-first, Best-first, and A\* search.

### Handwritten Digit Classifier

Sep 2019 – Oct 2019

#### Machine Learning | Lua – LOVE2D

- Built a neural network to classify handwritten digits from the MNIST dataset. Users can visualize the training process and interact with the neural network by controlling the training speed and the source of the input data (training/testing).

## Skills

Java	JavaScript	HTML	CSS	TypeScript	Git/GitHub
Python	Bootstrap	Jest	React	PostgreSQL	Node