

# Danny A. Araujo

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## EDUCATION

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### University at Buffalo, The State University of New York

Bachelor of Science, Computer Engineering

Expected May 2019

Dean's list: Fall 2014

Certificate of Achievement: SUNY Office of Opportunity Program 2015, 2018

## ENGINEERING PROJECTS

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### *StopBy, Co-Developer*

- With a team of fellow students, designed, implemented, tested, and released an android application revolving around the use of geolocation to facilitate real life social interaction
- Used Android Studio, Firebase and GitHub to create the mobile application, securely handle user data and authentication, and maintain the progress of new features and changes in the application

### *Space Invaders, Co-Developer*

- Created a running prototype of the classic game Space invaders on a serial terminal using the C programming language and ARM assembly language
- Used the LPC 2138 Keil microcontroller to create a game integrated that utilizes GPIO registers and embedded hardware

### *Java Calculator, Developer*

- Designed and programmed a virtual desktop calculator using Java
- Implemented key bindings that accepts inputs from the keyboard for an easier user experience
- Added additional functions to provide features not found in a trivial application

### *Multiplayer Desktop Game, Co-developer*

- Collaborated with a team of classmates to design a multiplayer game called *Carcassonne*, a desktop game using Java
- Utilized Git to keep track of source code updates and monitor tasks completed by each team member

## ENGINEERING WORK EXPERIENCE

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### Seal & Design, Buffalo, NY

#### *IT Support Intern*

Oct 2017 – May 2018

- Assisted in purchasing, deployment and maintenance of office software and equipment at a midsize manufacturing company to keep vital systems up to date, secured from vulnerabilities, and provide troubleshooting when needed
- Kept track of IT help desk using Spiceworks professional IT network to report, document, and resolve incoming issues

### University at Buffalo, Shared Instrumentation Laboratories, Buffalo, NY

#### *Administrative Assistant*

Sep 2016 – May 2017

- Under partnership with the **School of Engineering and Applied Sciences** and the **College of Arts and Sciences**, the Shared Instrumentation Laboratories gives access to research equipment that would otherwise not be easily accessible
- Explored the backend of a research laboratory and the necessities to maintain these facilities to the highest quality
- Organized usage data, expenses, and performed various administrative duties using Microsoft Excel

### ACE (Architecture, Construction, Engineering) Mentorship Program, New York, NY

#### *Mentee*

Nov 2013 – May 2014

- Worked alongside a team of other students around NYC and engineers from **Thornton Tomasetti** to design and simulate the construction of a new multipurpose structure

## TECHNICAL SKILLS

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- Experience with Java, C, C++, HTML, CSS, XML, Android Studio, Firebase
- Knowledge of various OSs: Windows, MacOS, Linux, Android, iOS, and Desktop Applications: Microsoft Office (Word, Excel, PowerPoint, OneNote, OneDrive), Dropbox, Photoshop, Google Apps
- Experience with tinkering in consumer products, exploring hardware and software across many technologies

## GENERAL SKILLS / INTERESTS

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- Member of University at Buffalo Society of Professional Hispanic Engineers (UB SHPE)
- Proficiency in Spanish