# Daniel Williamson

Computer Science Student

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## EDUCATION

**UNIVERSITY OF FLORIDA**
B.S., Computer Science
June 2016 - December 2020
3.46/4.00 GPA

- Programming fundamentals 1/2
- Computer Programming for Engineers
- Discrete Structures and Applications
- Linear Algebra
- Data Structures and Algorithms
- Digital Logic and Computer Systems
- Software Engineering

## SKILLS

### Programming Skills

- Java
- C++
- Python
- vueJS
- VHDL
- Assembly
- HTML
- CSS

### Other Technical Skills

- Photoshop
- Illustrator
- InDesign
- Microsoft Office Suite Certified
- MATLAB

## OBJECTIVE

I am a Junior on track for a degree in Computer Science and Digital Arts and Sciences seeking an internship for the summer in the field of software engineering specifically front end development to leverage my technical and professional experience.

## PROJECTS

### CROWDY
UNIVERSITY OF FLORIDA                    Fall 2018
- A web application that tracks how busy gainesville movie theaters are.
- Created and devloped a custom CSS grid that is responsive to mobile, and a dynamic check in appliaction in an agile setting.

### GENERAL RELIEF IN PROSTHETICS
UNIVERSITY OF FLORIDA              2016 - Current
- An arduino project that allowed someone with only one upper limb to properly play a guitar using the most common chords Am, G, C, and D.
- Lead a project that made a reusable design to allow anyone with only one upper limb to fish.

### AKINATOR GUESSING MACHINE
UNIVERSITY OF FLORIDA              Spring 2018
- Used a database with a known list of attributes for top 100 superheros from Marvel and DC Universes to guess your superhero.
- Abstracted so that it can be used with any database.

### PEG GAME SOLUTION ENGINE
UNIVERSITY OF FLORIDA              Spring 2017
- A C++ program that takes in an image of the peg game and analyzes which pegs are left using image thresholding.
- Uses an algorithm and a breadth first search of a graph to output all winning solutions

## INVOLVEMENT

### Student Activities and Involvement
UNIVERSITY OF FLORIDA              Current
Student assistant at the department of Student Activities and Involvement to help students get involved on campus.

### CAMPUS DIPLOMATS
UNIVERSITY OF FLORIDA              Current
Official ambassador for the Dean of Students office to provide support for all students on campus and to provide a voice for underrepresented communities.

### PREVIEW STAFF
UNIVERSITY OF FLORIDA              Summer 2017
Served as an orientation leader and helped over 7,000 new students adjust to UF with advising on diversity and academics.