**EDUCATION**

**University of Florida, Gainesville (2017 – Present)** Expected Graduation: Dec. 2021

B.S., Computer Engineering GPA: 3.6/4.0

*Relevant Coursework*

* CS: Programming Fundamentals I, Programming Fundamentals II, Computer Organization, Intro to Software Engineering, Fundamentals of Machine Learning, Operating Systems, CISE Design 1
* EE: Microprocessor Applications, Circuits I, Digital Logic, Computer Communications, Intro to Signals and Systems, Wireless and Mobile Networks, Digital Design
* Math: Calculus I, II, III, Differential Equations, Linear Algebra, Discrete Structures, Data Structures, Engineering Statistics

**TECHNICAL SKILLS**

• C#, C++, C, Python, Java, Matlab, VHDL, Assembly • HTML/CSS, SQL, Jupyter Notebook • Visual Studio, Github, Quartus, Winforms, Tkinter • Word, PowerPoint, Excel, Spanish

**EXPERIENCE**

**Astronics Test Systems,** Orlando, FL May 2020 – August 2020

*Software Engineering Intern*

* Created a system imaging tool using C# and Winforms to produce a user-friendly GUI (non-blocking) by utilizing API calls and threads to capture and apply images. Reimaged computer testing systems to ship in bulk.

**COURSE PROJECTS**

* **Software Engineering Webpage:** (HTML/CSS and Bootstrap) Made a responsive navbar and 3D model viewing page for a client.
* **Data Structures:** (C++)Implemented Huffman’s Algorithm along with a frequency table to encode and decode words. Also tested various sorting algorithms to evaluate their performances and O(n).
* **Machine Learning:** (Python and Jupyter Notebook) Implemented Naïve Bayes classifiers and polynomial linear regression on datasets to make predictive models.
* **Microprocessor Applications:** (C) Utilized USART communication to make a keyboard synthesizer. Used DAC to print an inputted voltage’s analog value on screen and ADC to output a desired voltage.

**INDIVIDUAL PROJECTS**

* **Cryptology Application:** (C# and WinForms) Created a GUI application that performs cryptographic operations between plaintext and ciphertext.
* **SQL Server Application:** (C# and WinForms, Python and Tkinter, SQL) Designed a GUI application that allows users to remotely login to an SQL Server Express database with credentials and edit tables in the database. Made similar apps with both C# and Python.
* **Personal Website:** (HTML/CSS and Bootstrap) Built a website to get more familiar with web-based programming. Deployed using Heroku.

**ACTIVITIES/ ACCOMPLISHMENTS**

* **UF Dean’s List for College of Engineering**: Received award for multiple semesters.
* **Society of Sales Engineers:** (2019 – Present)Cofounder of UF sales engineering club.
* **Association of Computer Engineers:** (2019 – Present) Member of UF computer engineering club.
* **Club Golf:** (2017 – Present) Member of UF club golf team. Team captain and 0 hdcp. in high school.
* **Club Volleyball:** (2017 – 2018) Member of UF club volleyball team. Went to National tournament.
* **Chess Club:** (2020) Participated in UF chess club.