**ALEXANDER J. ADAMS (AJ)**

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**UNIVERSITY OF FLORIDA (2017-Present) Gainesville, Florida**

* Computer Engineering Major – Senior
* Cumulative GPA: – 3.6/4.0
* Core Classes
  + Programming Fundamentals I, Programming Fundamentals II, Computer Organization, Intro to Software Engineering, Fundamentals of Machine Learning
  + Microprocessor Applications, Circuits I, Digital Logic, Computer Communications, Signals and Systems
  + Calculus I, II, III, Differential Equations, Linear Algebra, Discrete Structures, Data Structures
* Programming Languages: C#, C++, C, Python, Java, Matlab, HTML, VHDL, Assembly
* Computer/Language Skills: PowerPoint, Excel, Word, Spanish

**PROJECTS**

* Cryptology Application
  + Used Winforms and C# to create an application that performs various cryptographic operations on plaintext and transforms it to ciphertext.
* Navbar and 3D Model Viewer Page
  + Created the UI for a navbar and 3D model viewing page in HTML with Bootstrap.
* Machine Learning
  + Used Python and Jupyter Notebook to implement Naïve Bayes classifiers and polynomial linear regression on datasets.
* Keyboard Synthesizer
  + Utilized C and USART communication to make a synthesizer using a computer keyboard connected to microcontroller to play notes at different frequencies.
* Finite State Machine
  + Constructed a synchronous counter in VHDL using logic, signals, and a seven-segment display.

**GITHUB**

https://github.com/ajaoviedo

**WORK EXPERIENCE**

* Software Engineering Intern at Astronics Test Systems (May 2020 – August 2020)
  + Created a system imaging tool using C# by creating a GUI and code to capture and apply images. Also reimaged computer systems to ship in bulk.

**ACADEMIC AWARDS/ACCOMPLISHMENTS**

* UF Dean’s List for College of Engineering
* National Merit Scholar – 2016 – Commended 1430/1520
* SAT – 1490/1600 SAT Math Subject Test 800/800
* Paul J. Hagerty High School Cumulative GPA: – Weighted 4.56/4.0 – Unweighted 3.98/4.0
* Principal’s Citizenship Award – 2017 – Awarded to only 1 male (and 1 female) of HHS senior class

**CO-CURRICULAR ACTIVITIES**

* **Society of Sales Engineers ­**– 2019. Co-Founder for sales engineering club at UF.
* **Association of Computer Engineers** – 2019. Member of the computer engineering club at UF.
* **Mu Alpha Theta (Math Team)** – 2013-2017. Competed on varsity team and at State tournaments.
* **Golf, Soccer, & Volleyball Teams** – 2013-2017. Captain of golf team 12th Grade. Most Valuable Player (MVP) in 10th & 12th. Defensive MVP of soccer team 12th grade.