**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, Intro to Signals and Systems
* Calculus I, II, III, Differential Equations, Linear Algebra, Discrete Structures, Data Structures, Engineering Statistics
* Programming Languages: C#, C++, C, Python, Java, Matlab, HTML, VHDL, Assembly
* Computer/Language Skills: PowerPoint, Excel, Word, Spanish

**PROJECTS**

* Cryptology Application – C# and WinForms
  + Created an application that performs cryptographic operations between plaintext and ciphertext.
* SQL Server Application – C# and WinForms
  + Designed an application that allows users to remotely login to SQL Server Express and edit tables in the database.
* Navbar and 3D Model Viewer Page – HTML and Bootstrap
  + Made a responsive UI for a navbar and 3D model viewing page.
* Machine Learning – Python and Jupyter Notebook
  + Implemented Naïve Bayes classifiers and polynomial linear regression on datasets.
* Keyboard Synthesizer – C
  + Utilized USART communication to make a synthesizer using a computer keyboard connected to microcontroller to play notes at different frequencies.

**GITHUB** https://github.com/ajaoviedo

**WORK EXPERIENCE**

* Software Engineering Intern at Astronics Test Systems – Orlando, Florida (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 – 2013-2017 – Oviedo, Florida
  + Cumulative Weighted GPA: 4.56/4.0 (12 AP Classes) Class Rank 18/567
  + 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-Present. Co-Founder for sales engineering club at UF.
* **Association of Computer Engineers** – 2019-Present. Member of the computer engineering club at UF.
* **Club Volleyball** – 2017-2018. Member of volleyball club at UF. Went to National tournament.
* **Mu Alpha Theta (Math Team)** – 2013-2017. Competed on varsity team and at State tournaments.
* **Debate Team** – 2014-2015. Won 2nd place at regional tournament in Public Forum.
* **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.