**Alexander Mendoza**

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**EDUCATION**

**Florida Atlantic University *Boca Raton, FL***

**Bachelor of Science Computer Science**  ***Expected - May 2024***

Relevant Courses: *Full-Stack Web Development, Data Structures & Algorithms, Practical Aspects of Modern Cryptography, Computer Operating Systems*

**SKILLS & INTERESTS**

**Programming Languages:** C++, JavaScript, Python, Java

**Relevant Technologies:** HTML, CSS, Bootstrap, NodeJS, GIT, Rest API, JSON, MongoDB, Linux, BASH, React

**Other Involvement:**  FAU Programming Club, SHPE

**Interests:** Full Stack Development, Cryptography, Math, Finding Efficiencies in Existing Systems, Music, Problem Solving, Sales

**PROJECTS**

**Hybrid Cryptographic Scheme** https://github.com/mendoska/cryptography-project

* Created a full-stack web application that uses a combination of symmetric-key (AES) and asymmetric-key (RSA) encryption schemes to simulate message sending through this Hybrid Cryptographic Scheme
* The user is prompted to type a message that they would like to send, the backend server will handle this request then display on the screen the process of key generation, encrypted and decrypted text that the two parties will receive
* Created with HTML, CSS, JavaScript, Node JS, Node JS library Crypto, Heroku for Deployment

**Student Database Server**

* Created a full-stack web application that simulated a school's database with CRUD APIs to give functionality such as Add, Delete, and Search
* The Front End was built with React and Bootstrap, the Back End was handled with JavaScript and Node.js, and communicated with a MongoDB server

**Data Encryption Standard (DES)**

* Built a console application with C++ that prompts users for text input and encrypts the message under this symmetric-key algorithm
* Using the output feedback mode, this program also performs decryption on the encrypted ciphertext

**PROFESSIONAL EXPERIENCE**

**Flashback Thrift LLC** *Dec 2020 - Present*

*Founder*

* Operating an online clothing store with over 4000 sold items, handling day-to- day systems such as posting new items, shipping daily, and sourcing profitable items
* Created an inventory that corresponds with items listed online using a unique SKU system
* Chosen by eBay as a Top-Rated Seller for 100% customer satisfaction and guarantee on all orders

**Sam Ash Music** *Jan 2018 – Dec 2020*

*Senior Department Sales Manager*

* Oversaw a team of guitar sales associates and maintained a productive, friendly work environment
* Managed store’s online e-commerce store – handled orders, posted specialty music equipment, and focused on online customer experience

**BrandQ** *Dec 2016 – Dec 2017*

*Junior Web Developer*

* Designed websites based on the needs from clients using WordPress, CSS, and HTML
* Developed strong relationships with clients through frequent communication and ensuring all websites were keep to date with the latest updates
* Created systems to modify WordPress themes and helped with the compatibility of websites on mobile devices