Anthony Lucchese

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EDUCATION

The University of Scranton — Scranton, PA
Bachelor of Science in Computer Science, Double Major in Mathematics — *Aug. 2019 – May 2023*
Dean's List, GPA 3.40, Major GPA 3.60

Relevant Coursework: Artificial Intelligence, Mobile Application Development, Database Systems (I, II), Operating Systems, Web Development, Data Structures and Algorithms

EXPERIENCE

DevOps Intern — June 2022 – August 2022
Edward Jones — *St. Louis, MO*
- Developed an ETL pipeline using **CloudBees** and **Python**, improving workflow efficiency for mobile developers.
- Updated deprecated API endpoints for the backend of Edward Jones mobile app suite using **Spring Framework** in **Java**.
- Created regression and unit testing in the Edward Jones Android app using **Kotlin** and **JUnit** library.

Residential Assistant — August 2021 – June 2022
University of Scranton — *Scranton, PA*
- Supported over 30 students in resolving conflicts, and organized social events within the building.
- Available 24/7 to support in resolving conflicts, counsel first-year students, and organize social events manage building administrative duties.
- On-call during the day, and complete weekly building inspection rounds to promote safety within the residence halls.

IT Student Specialist — Dec. 2020 – Present
Technology Support Center — University of Scranton — *Scranton, PA*
- Communicate with managers to set up university computers used for events.
- Assess and troubleshoot computer problems brought by students, faculty and staff.
- Manage and supervise other students and teach new hires.

PROJECTS

Search Algorithm Visualization | *TypeScript, JavaScript, HTML, CSS, Git* — March 2022 – Present
- Developed a web application using **TypeScript** to simulate various search algorithms including Breadth First Search and Depth First Search to help early CS majors visualize the algorithms during tutoring sessions.
- Wrote the algorithm in TypeScript, running in **GitHub Pages**.

Encrypted Messaging System | *Python, Raspberry Pi, Networking* — October 2021
- Built a command-line messaging system that mathematically encrypts a message using **RSA** in **Python**
- Mathematically proved the theorems for RSA, and sent the encrypted message over the network to another user.
- Finds 100 digit prime numbers by means of Miller-Rabin Primality Test

Lunch Ordering Android App | *Java, Android Studio, SQLite, Git* — April 2022 – May 2022
- Created a mobile ordering app in **Java** using **Android Studio** that allowed the user to order meals.
- Constructed the Rest API client to interact with the remote **Postgres** database to create and save both orders and meals.
- Implemented LiveData Android methodology to update the app's ViewModel in real time.

TECHNICAL SKILLS

Languages: Python, C, SQL (MySQL, Postgres), Go, Java, Kotlin, JavaScript, TypeScript, HTML/CSS, Swift, YAML
Developer Tools: Docker, Git, Jira, CloudBees, Zeplin, IntelliJ
Libraries: Spring Framework, NumPy, Cryptography, JUnit