

Andrew Imredy

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Education

University of Pittsburgh

BS in Computer Science, Minor in Hungarian

Pittsburgh, PA

Dec 2021

Experience

Lead Software Engineer

Nov 2022 – Present

Freedom Gateway

Pittsburgh, PA

- Developed, maintained, and deployed Bitcoin ATM software across hundreds of machines, processing tens of millions in transactions (**JavaFX, Python, Docker, Arch Linux**)
- Developed financial kiosk and web applications using **React** and **TailwindCSS**
- Integrated kiosk front ends with various hardware components, including bill dispensers and acceptors, scanners, and touchscreens. Used interface patterns for interoperability (**Java, JS, systemd**)
- Created pipelines and infrastructure to build, test, and deploy client and server code (**Gradle, JUnit, Docker, Unix Shell**)
- Developed mobile app in **Flutter** to validate and record gaming tickets
- Analyzed data from **SQL** database to assess ATM profitability, usage, error rates, and other key metrics
- Oversaw a rolling-release deployment schedule with an emphasis on incorporating user feedback, continuous iteration, and quickly bringing new products and features to market

Software Engineer

Feb 2022 – Nov 2022

BNY

New York, NY

- Designed and built internal personnel management software with an **Angular** front end and **Java/OracleDB** REST API back end, featuring an automated change approval workflow to replace existing manual processes
- Collaborated directly with end users to refine requirements, test the application, and quickly ship new functionality
- Analyzed and patched vulnerabilities across 14 projects in **Spring** microservices ecosystem
- Documented common problems and solutions in dev environment to facilitate onboarding process

Summer Analyst - Technology

Summer 2020 & 2021

BNY

Remote

- Built cache-enabled API wrapper with **Elasticsearch**, reducing request times by 60%
- Developed REST API with **Java** and **MongoDB** for upload and search of compliance data, replacing existing Excel file
- Won 2nd Place in intern hackathon with a **Python** application to compare and classify Excel macros

Projects

Edgelytics | Python

2023 – Present

- Wrote algorithm to grade poker players based on historical performance
- Paired grading algorithm with web-scraping logic and risk model to identify and fund staking opportunities that may be profitable in online tournaments

Technical Skills

Languages: Java, JavaScript, SQL, Python, HTML/CSS, Dart, Unix Shell

Frameworks: JavaFX, React, Spring, Angular, Flask, JUnit, TailwindCSS

Developer Tools: Docker, Pipenv, systemd, Git