

Robert Feliciano

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EDUCATION

Stevens Institute of Technology

Hoboken, NJ

Bachelor of Science in Computer Science, Minor in Pure and Applied Mathematics

Aug. 2020 – Present

- GPA: 3.95/4.00
- Member of Pinnacle Scholars Honors Program
- Head of Development at Stevens Student Managed Investment Fund
- Course Assistant for Operating Systems, Concurrent Programming, and Data Structures
- Relevant Coursework: Operating Systems, Compiler Design and Implementation, Parallel Programming for Many Core Processors, Computer Architecture and Organization, Concurrent Programming

EXPERIENCE

Goldman Sachs

New York, New York

Summer Analyst

June 2023 – Aug. 2023

- Implemented a tool to fully automate booking of foreign exchange swaps/trades, thereby reducing human error, saving money, and increasing productivity. The process used to be manual but has now been fully automated and leaves no room for human error.
- Developed a Python script to model the fed funds rate over time given trader-specific parameters; the script also sends an email out to the trader who ran the script containing a table and graph for the fed funds rate.
- Technologies used: Slang (Goldman Sachs proprietary language), Python

Amazon Web Services

Seattle, WA

Software Developer Intern

June 2022 – Aug. 2022

- Collaborated with a team of software developers to upgrade and enhance the AWS server operating system upgrade service to run faster, more efficiently, and decrease security risks for the server.
- Developed a tool for the service's website to display logs that are created by the service agent during an upgrade or patch and stored on Amazon S3. The logs contain information on the successes and failures regarding the upgrade process. The tool can be used by the team and by others who use the service to easily view these logs and determine what may have gone wrong during an upgrade or patch.
- Technologies used: Javascript, Java, Ruby, Python, DynamoDB, Amazon S3, Git

Stevens Institute of Technology

Hoboken, NJ

Software Development Research Assistant

May 2021 – Aug. 2021

- Developed an interactive, visual dashboard for strategic decision-making
- Added increased functionality and user-friendliness, resulting in higher levels of user comprehension and ease-of-use
- Technologies used: Python, Git

PROJECTS

bertOS | C, ARMv8 Assembly, Git

May 2022 – Present

- Wrote bootloader for Raspberry Pi 3 in ARMv8 assembly to link to my custom kernel written in C
- Developed kernel capable of scheduling, virtual memory, system calls, and SD card interaction
- Currently implementing networking features and designing custom shell to interpret user input

MaLa - Matrix Language | Rust, PEG, Git

Jan. 2023 - Jul. 2023

- Created an interpreted programming language using Rust specializing in matrix and vector operations, similar to array-based languages like APL or J.
- Originally started out as a command-line tool to make checking linear algebra and data science homework easier.
- The language uses a Parsing Expression Grammar (PEG) to generate a parser for the frontend of the language and uses pure Rust functions as the backend.

TECHNICAL SKILLS

Languages: C, C++, CUDA, OCaml, Java, Python, ARM, Racket, Rust, MySQL

Developer Tools: Git, Docker, AWS

Other: Linux, Unix-like systems, Command Line