Anthony B. Freay

Early adopter · Software Engineer · Creator

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Summary

A software engineer who uses curiosity and drive to solve problems and improve technical skills. Recent internship experiences at BNY Mellon has given exposure to how an application is designed, developed, and deployed within a wide-scale enterprise environment, as well as the importance of Test-Driven Development. Always ready to learn new technologies and continually grow by pursuing technical and non-technical challenges.

Education

Villanova University (VU)   *May 2020*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE & BACHELOR OF ARTS IN PSYCHOLOGY   *Villanova, PA*

Awards: O'Toole Presidential Scholar
Current Courses: Software Studio, Mobile App Development
Completed Courses: Data Structures & Algorithms I & II, Platform-Based Computing, Computer Systems I & II, Discrete Structures, Analysis of Algorithms, Theory of Computation, Information Visualization, Database Systems, Software Engineering, Organization of Programming Languages, & Senior Projects

Skills

Programming	*Intermediate:* Java , HTML/CSS/JS
	Novice: Golang, React, OpenAPI Spec (Swagger), Selenium Web Driver
Build & Deploy	*Novice:* Maven, Docker
Databases	*Novice:* MongoDB, MySQL
Languages	English *(native)*, Spanish *(fluent)*

Work Experience

BNY Mellon   *Jun. 2019 - Aug. 2019*

SUMMER TECHNOLOGY ANALYST   *New York , NY*

- **Overview:** Develop and deploy an automated regression test of an API user interface leveraging Java and Selenium Web Driver

BNY Mellon   *Jun. 2018 - Aug. 2018*

SUMMER TECHNOLOGY ANALYST   *Jersey City, NJ*

- **Overview:** Given freedom to fully design, develop, and deploy a full-stack URL shortening service using Golang, ReactJS, MongoDB, Nginx, and Docker company-wide, reaching 35 countries and 52,000 employees
- **Front-end:** Developed with a minimal design using ReactJS
- **Back-end:** RESTful API developed using Golang, visually documented using Swagger, and utilized MongoDB to store mapped URLs

Leadership

Villanova University Tech Crew (VUTC)   *Aug. 2017 - Present*

SENIOR STAFF MEMBER   *Villanova, PA*

- Assist in the facilitation of VU's event production needs and on-boarding new members
- In the 2018-19 academic year, produced 31 events including Orientation, Special Olympics, and Commencement

Projects

simple-url	Redesigning and optimizing URL shortening service
personal-site	Designed, developed, and deployed personal-site to improve web development skills, increase digital presence, & improve personal branding

Sideline

Photography	Run & manage a freelance photography business specializing in live music, portraits, and streetscapes