Anthony B. Freay

Early adopter · Software Engineer · Creator

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Summary

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

Education

Villanova University (VU) *May 2020*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE & PSYCHOLOGY / CONCENTRATION IN COGNITIVE SCIENCE *Villanova, PA*

Awards: O'Toole Presidential Scholar
Completed Courses: Data Structures & Algorithms I & II, Platform-Based Computing, Computer Systems I & II, Discrete Structures, Statistics for Computer Science, Analysis of Algorithms
Current Courses: Theory of Computation, Information Visualization, Machine Learning

Skills

Programming	*Advanced:* Java , JS/HTML/CSS
	Intermediate: Golang, ReactJS, OpenAPI Spec {Swagger}
Deployments	*Intermediate:* Containers {Docker}, Artifactory
Databases	*Intermediate:* NoSQL {MongoDB}
Languages	English *(native)*, Spanish *(fluent)*

Work Experience

BNY Mellon *Jun. 2018 - Aug. 2018*

SUMMER TECHNOLOGY ANALYST *Jersey City, NJ*

- **Overview:** Given freedom to fully design, develop, & deploy a full-stack URL shortening service using Golang, ReactJS, MongoDB, Nginx, & Docker company-wide, reaching 35 countries and 52,000 employees
- **Front-end:** Minimally designed & developed using ReactJS, served with Nginx, & deployed in its own container using Docker
- **Back-end:** RESTful API developed using Golang, visually documented using Swagger.io, URLs mapped & stored using MongoDB, & deployed in its own container using Docker

Leadership & Volunteering

VU Rays of Sunshine *Sep. 2017 - Present*

MATHEMATICS TUTOR *Villanova, PA*

- Weekly tutor groups of ~3 under-represented minority middle school students dealing with behavioral challenges at Northern Children's Services

VU Tech Crew *Aug. 2017 - Present*

SENIOR STAFF MEMBER *Villanova, PA*

- Assist in the production & facilitation of various events (20+ to date), such as Commencement (~7500 attendees) & Orientation (~2500 attendees)

VU ACLAMO (Accion Comunal Latinoamericana de Montgomery County) *Aug. 2017 - May 2018*

VOLUNTEER *Villanova, PA*

- Led a weekly tutoring session for 15 Spanish-speaking 5th grade students, focusing on mathematics, reading comprehension, & homework translation

Projects

simple-url	Recreating & optimizing BNY project, will then integrate & substitute different databases & front-end technologies
personal-site	Designed, developed, & deployed personal-site to refine web development skills & improve digital presence