

Anthony Di Biaggio

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WORK EXPERIENCE

Principal Financial Group

May 2022 - Present

Software Engineer Intern

Des Moines, IA

- Build a production ASP.NET web application for file sharing management
- Construct, refactor, and design Spring Boot REST APIs taking into account performance, ease of use, and end-user satisfaction
- Put Agile methodologies into practice through continuous delivery, meeting with stakeholders, and iterative development

Sterling Trading Tech

May 2020 - August 2020

Software Development Intern

Chicago, IL

- Prototyped a cloud-based data visualization service written in Python and hosted on Google Cloud Project, leveraging tools like BigQuery and Data Studio
- Navigated a large Spring Boot code base to identify issues and implement features
- Designed and engineered a GUI application using Python to parse and organize data from clients' stock portfolios

University of Minnesota

January 2021 - May 2022

Teaching Assistant

Minneapolis, MN

- CSCI 1933: Intro to Algorithms and Data Structures, and CSCI 2021: Machine Architecture and Organization
- Hold office hours to help students clarify and reinforce class material
- Produce supplemental exercises and help students complete them in lab sessions

EDUCATION

University of Minnesota

May 2023

B.S., Computer Science

Minneapolis, MN

- 3.97/4.0 GPA

PROJECTS

<https://dibiagg.io>

- An open-source single-page application which hosts my other web development projects, as well as personal information and contact links
- Built using industry-standard technologies like React, Node.js, and WebSockets

Virtual Reality Code Visualizer

- Uses abstract syntax trees generated by Microsoft's Roslyn library to gain semantic insights from C# code files
- Visualizes these insights to the user in a virtual reality environment crafted in Unity
- Provides intuitive motion controls for interacting with the visualization

SKILLS & INTERESTS

Skills: Web development (HTML, CSS, JavaScript, React, Node.js, ASP.NET), Python, Java, C, C#, x86 Assembly, API development (AWS API Gateway, AWS Lambda Functions, Node.js, Express, Spring Boot), SQL (PostgreSQL, MySQL), NoSQL (MongoDB, DynamoDB)

Interests: Cooking, Costco, Succulents, Video games, Swimming, Thrifting