Fahid Abdullah

Fahid Abdullah | 1230fahid | 1230fahid@gmail.com | 267-318-8816

EDUCATION

Drexel University　　　　　　　　　　　　　　　　**GPA: 3.90**　　　　Philadelphia, PA
Bachelor of Science in Computer Science　　　　　　　　　　　　　*Graduation: June 2024*
Awards: Drexel Liberty Scholarship, Dean's List (2019-2024)
Relevant Coursework: Data Structures & Algorithms I & II, Database Systems, Software Architecture, Computer Networks

WORK EXPERIENCE

AVEVA, Philadelphia, PA　　　　　　　　　　　　　　　April 2023 – September 2023
Software Developer Intern
• Increased code coverage by 25% by creating unit tests using **TDD** with **Jasmine** and **MSTest** to maintain quality standards
• Enhanced product's quality throughout the development phase of PI Vision 2023 by implementing best practices with **OOP** and **design patterns** in **AngularJS** and **C#**
• Refactored the PI Event Frame tool by implementing **caching** to reduce requests, improving load time by 30%
• Managed PI Vision Display Utility APIs, using **RESTful** principles and modular design, to improve usage of display resources

Veeva Systems, Fort Washington, PA　　　　　　　　　　　April 2021 – September 2022
Intern Data Engineer
• Developed data pipelines using **Python** in Apache Airflow to integrate data for health care providers and organizations
• Optimized test execution time by 10% by engineering **Bash** scripts to automate data pipeline integration testing for QA
• Met GDPR standards using **AWS** services, such as **EC2** for deployment and **S3** for migrating data from **MongoDB**
• Advanced client data management by designing over 10+ customer tables using **ER** diagrams and **SQL** queries

Drexel College of Computing and Informatics, Philadelphia, PA　　April 2023 – June 2023, January 2024 – June 2024
Cyber Learning Center Course Assistant
• Emphasized concepts in **Java**, **Python**, and **AI**, through inquiry-based learning, to roughly 10 students weekly
• Generated plans of study for students through evaluation of weaknesses in one-on-one tutoring and assignment feedback

TECHNICAL PROJECTS

Algo Executor　　　　　　　　　　　　　　　　　　December 2023 – Present
• Devised efficient algorithms for real-time visualization of **data structures**, optimizing responsiveness, with **Angular** and **C#**

Game Exchange　　　　　　　　　　　　　　　　　December 2022 – January 2023
• Designed an ecommerce web application using **ASP.NET Core** to create a platform for users to purchase video games
• Supported various payment methods and digital wallets for purchases and refunds for all orders by integrating **Stripe API**
• Enhanced security of application through enabling **role-based authorization** and implementing **two-factor authentication**

Attractions　　　　　　　　　　　　　　　　　　　May 2022 – June 2022
• Preserved user experience across devices by creating a fully responsive web application with **HTML**, **CSS**, and **JavaScript**
• Supported CRUD operations by developing **REST APIs** on backend with **Express.js** through an **MVC** design pattern
• Increased security of application through implementing authentication and authorization using **Passport.js**

ACTIVITIES

Member, Drexel Theory Reading Group　　　　　　　　　　　September 2023 – June 2024
Member, Drexel Algorithms and Data Structures　　　　　　　　September 2022 – June 2024

SKILLS & TOOLS

Languages: C#, Python, Java, C, HTML, CSS, JavaScript, Typescript, Bash
Tools: Unix, Visual Studio, VS Code, Azure DevOps, GitHub, GitLab, IntelliJ IDEA, Heroku, Postman
Frameworks: .NET, Angular, React, Entity Framework, Node.js, Next.js, Tailwind, PostgreSQL, SQL Server, MongoDB
Concepts: Artificial Intelligence, Machine Learning, Linear Programming, Discrete Mathematics, Agile Methodologies