

William Thomas Hahn

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EDUCATION

Purdue University – West Lafayette

May 2022

B.S. Computer Science, B.S. Mathematics, Minor Psychology

GPA: 3.42

Related Coursework

Compilers: Principles and Practice

Data Structures and Algorithms

Foundations of Analysis

Information Systems (Databases)

Numerical Methods

Ordinary Differential Equations

Analysis of Algorithms

Cryptography

Linear Algebra

TECHNICAL SKILLS

Languages/Frameworks: C, C++, C#, SQL, Elixir, Java, Python, MATLAB, R, ASP.NET, Ecto, Phoenix

Tools: Bash, Zsh, VIM, Linux, IntelliJ, VSCode, Eclipse, Visual Studio, Windows, Git

WORK EXPERIENCE

NSight Solutions, Remote

Software Developer Intern

June 2020 – Present

- Joined as the 4th employee of the team with the goal of building an intuitive IT documentation system
- Designed the core back-end of the company's first product to guarantee accurate mapping of an IT department's network using Elixir, Ecto, and SQL
- Communicated with the founders of the company to aid the development of an intuitive front-end and maintainable back-end for the company's first product

Juni Learning, Remote

Mathematics Instructor

September 2020 – Present

- Taught middle and high school aged students mathematics through an online-learning platform to elevate students' understanding of material and course performance

Risque Development Group, West Lafayette, IN

Assistant Technical Lead

January 2020 – Present

- Assigned and prioritized issue requests for a team of 8 for an active website to effectively use Purdue's IT resources
- Deployed thoroughly tested features and bug fixes to a production server through interdepartmental communication to deliver seamless updates to Purdue's IT cloud-based documentation tools

Software Developer

January 2019 – January 2020

- Solved over 70 issues using full-stack web development in C# and ASP.NET to boost the productivity of Purdue's IT infrastructure maintenance staff
- Developed data culling techniques using Entity Framework to decrease the loading time of the most used report on Purdue's IT documentation website by 80%

PROJECTS

Process Monitor – Class Project: C++

November 2019

- Communicated with peers to effectively subdivide several tasks between 3 people using GitHub and an issue tracker
- Analyzed a unix file-system with system calls to show disk usage, drives, and read/write statistics in a user interface