Gabriel Dougherty

contact@gabrieldougherty.com | linkedin.com/in/gabriel-dougherty | github.com/GabrielDougherty

Education

Edinboro University of Pennsylvania
- B.S., Computer Science   *Graduation: May 2019*
- GPA: 3.85, Honors Student; President's Excellence Award Merit Scholarship recipient

Work Experience

Software Engineering Intern   *May 2018 – August 2018*
Acutec Precision Aerospace
- Developed a C# application to automate documentation for every finished part produced.
- Reduced documentation generation time by 90%.
- Utilized asynchronous programming and caching to create fast, responsive, database-driven applications.
- Expanded Microsoft SQL Server database schema to adapt to changing business requirements.
- Created data analytics tools to detect anomalous machined part information.

Network Engineering Intern   *June 2017 - July 2017*
Erie First Christian Academy
- Performed a complete overhaul of network infrastructure for international student dormitories.
- Implemented web filtering, network antivirus, and traffic shaping in a hybrid network setting.
- Improved internet access, security, and reliability for staff and students.

Projects

Meal Plan Alexa Skill – Python
- Wrote an Alexa skill to simplify student meal plan budgeting via a speech interface.
- Recommended spending goals for each day, depending on the particular user's profile.
- Deployed the skill in an AWS Lambda instance, using the Alexa Skills Kit.

Edinboro Assignment Submission System – Python
- Built an assignment submission system catered to computer science education.
- Adapted industry-standard version control to meet the needs of Edinboro instructors.
- Integrated student group projects and aggregate course management with the GitLab API.

Skills/Coursework

- **Languages/Frameworks:** C#, .NET Core, Python, SQL, C++, Entity Framework
- **Software:** Git, Vim, Visual Studio, AWS, Linux
- **Coursework:** Data Structures & Algorithms, Database Systems, Programming Languages

Other

Edinboro Computer Science Club – President   *September 2016 - Present*
- Lead door-to-door food drives for the local food pantry.
- Organize student research presentations.