

Gabriel Dougherty

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Education

Edinboro University of Pennsylvania

- B.S., Computer Science *Graduation: May 2019*
- GPA: 3.86, Honors Student; President's Excellence Award Merit Scholarship recipient

Work Experience

Software Engineering Intern

May 2018 - Present

Acutec Precision Aerospace

- Develop a C# application to automate documentation for every finished part produced.
- Reduce documentation generation time by 95%.
- Utilize asynchronous programming and caching to create fast, responsive, database-driven applications.
- Expand Microsoft SQL Server database schema to adapt to changing business requirements.
- Create 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 budget student meal plan use.
- Recommended spending goals for each day, given meal plan type and time of year.
- Deployed the skill in an AWS Lambda instance, using the Alexa Skills Kit.

Edinboro Assignment Submission System – Python

- Built an instructor toolset for managing student programming assignment submissions.
- Integrated student group projects and aggregate course management with the GitLab API.

Skills/Coursework

- **Languages/Frameworks:** C#, C++, Python, SQL, Entity Framework
- **Software:** Git, Vim, Visual Studio, AWS, Linux
- **Coursework:** Programming Languages, Database Systems, Computer Architecture

Other

Edinboro Computer Science Club – President

September 2016 - Present

- Lead door-to-door food drives for the local food pantry.
- Organize student research presentations.