**Gabriel Dougherty**

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

**Education**

**Edinboro University of Pennsylvania**

* Senior – 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.

**Computer Science Tutor** *September 2017 - Present*

*Edinboro University*

* Teach computer science concepts to undergraduates.

**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**

* Created an Alexa skill to answer the question, “How many meals should I spend today?”
* Recommended spending goals for student meal plan use, given meal plan type and time of year.
* Implemented the skill in an AWS Lambda instance, using the Alexa Skills Kit.

**Dandyland – C++**

* Made an intricate strategy game which continually tracked and calculated player resources.
* Displayed player research progression tree using Depth First Search.
* Implemented a game board with different land pieces that each granted several player bonuses.

**Skills**

* **Languages/Frameworks:** C#, C++, Python, SQL, Entity Framework, JSON, HTML, CSS
* **Software:** Git, Vim, Visual Studio, GitLab, GitHub, AWS, Linux

**Other**

**Edinboro Computer Science Club – President** *Fall 2016 - Present*

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