Gabriel Dougherty

(814) 580-7151 | contact@gabrieldougherty.com | linkedin.com/in/gabriel-dougherty

Education:

- Edinboro University of Pennsylvania
- Junior – B.S., Computer Science   *Graduation: December 2019*
- GPA: 3.83, Dean's List; Honors Student; President's Excellence Award Merit Scholarship

Work Experience:

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.
- Improved internet access, security, and reliability for staff and students.

Projects:

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.

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.

Shunt Yard – C++
- Created a program to convert arithmetic expressions from infix to postfix notation.

Academic Experience:

Programming Competitions – PCISE, CCSC, ACM Conferences   *Spring & Fall 2017*
- Solved complex programming problems under pressure.

Skills:

- **Languages:** C++, Python, Bash, Scheme, MySQL, JSON, HTML, CSS; Exposed to C#
- **Software:** Git, Vim, Visual Studio, GitLab, GitHub, AWS, Linux

Volunteer Experience:

Edinboro Computer Science Club – Community Service Officer   *Fall 2016 - Present*
- Organize door-to-door food drives for the local food pantry.