

Gabriel Dougherty

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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

- Instructs Freshman and Sophomore undergraduate students on programming, data structures, algorithms, computer architecture and Unix/Linux concepts.

Network Administration Internship

June 2017 - July 2017

Erie First Christian Academy

- Worked with a lean team to design and deploy a custom network solution for student dormitories.
- Improved internet access and reliability for staff and students.
- Implemented web filtering, network antivirus, and traffic shaping in order to assist administration in better directing students' technology use.

Projects:

Dandyland – C++

- Made a single player strategy game which tracked multiple game variables.
- Represented player research progression with a tree and displayed it using Depth First Search.
- Implemented a game board with different land pieces that each granted several player bonuses.

Meal Plan Budgeter – Python

- Created an application to solve common problems with student meal plans.
- Provided different goals for meal plan use depending on meal plan type and time of year.

Academic Experience:

Programming Competitions – PCISE, CCSC, ACM Conferences

Spring, Fall 2017

- Worked with a team under pressure to solve a complex problem set, drawing from C++ skills, data structure and algorithm knowledge, and mathematics.

Erie Makerspace Member

Fall 2012 - 2017

- Repaired computer electronics, assisted in Ethernet network rollout. Participated in Erie Cardboard Boat Regatta, Lake Erie Harbor, 2014.

Skills:

- **Languages:** C++, Bash, Python, Scheme, Racket, MIPS Assembly, HTML, CSS
- **Software:** Git, Vim, Visual Studio, Linux, Windows, Microsoft Office

Volunteer Experience:

Edinboro Computer Science Club – Community Service Officer

Fall 2016 - Present

- Organized a door-to-door food drive for the local food pantry.

Knitting Club

Fall 2017 - Present

- Knits hats for children and adults in need. Hats are donated to hospitals and homeless shelters.

NextGen Climate

Fall 2016

- Contacted students to encourage participation in the 2016 election. Provided information on polling location, creating a plan to vote, and transportation.