J. ELLIOT MILLER

18 Nelson Hill ⋄ Wassaic, New York 12592

717-398-1540 ⋄ elliot@alum.bucknell.edu ⋄ j-elliot@github.io

EDUCATION

Bucknell University   *June 2016 - May 2019*
Bachelor of Arts   Overall GPA: 3.55/4
Department of Computer Science
College of Arts and Sciences
Minor in Philosophy

Harrisburg Area Community College   *June 2014 - May 2017*
Associate of Arts   Overall GPA: 3.96/4
Department of Mathematics and Computer Science

PA Highlands Community College   *January 2009 - December 2009*
Certificate of Office Technology   Overall GPA: 4/4

Microsoft Excel (A); Microsoft Word (A); Microsoft ACCESS (A); Microsoft PowerPoint (A); Theory of Computing (A).

RELEVANT EXPERIENCE

Bucknell University   June 2018 - Present
Undergraduate Research

· Employed SciKitLearn to construct machine learning classifiers used in analyzing effectiveness of epsilon-Differential Privacy data protections.
· Built custom application to extract and present experiment results across seven variables
· Presented research at Susquehanna Valley Summer Research Symposium

Marissa Deihl, SP   September 2018 - May 2019
Software Developer

· Works on software development team of one programmer (me) and one electrical engineer.
· Primarily responsible for designing and implementing project goals in code.
· Manages user testing and feedback in iterative design process.

The Bayeux Group   November 2014 - September 2017
Owner/Manager

· I founded this company to provide business services to hopeful entrepreneurs. Under my management, we directly handled the launch of two companies, and we have been involved with the managment of several others. I have personally been handled bookkeeping, administration, supply chain management, marketing, customer management, sales, strategic planning, and data analytics on behalf of our clients. The company was suspended in order for myself to return to school to further develop my critical problem solving skills and technological knowledge.

TECHNICAL STRENGTHS

Computer Languages	C/C++, Java, Python, Visual Basic, C#
Software & Tools	Unity, LaTeX, Git, Gimp, Microsoft Office Suit, AutoCAD

VOLUNTEER EXPERIENCE

Spirit of Gettysburg 5k
Charitable Footrace

· Wheelchair Race Leader: Rode motorcycle to lead wheelchair section of race through course; entered unchecked traffic, preventing collision with racers
· Children's Race Leader: Rode bicycle to lead children's race through course
· Traffic Director: Directed vehicular and pedestrian traffic during pre-race period
· Score Collator: Received, ordered, and confirmed race results in real time to be used for awards and listings.

HACC Environmental Club
Community College Environmental Organization

· Rock Creek Cleanup: Traveled down local waterway removing trash and debris.

Sinai Hospital, ER7
Emergency Room Administrative Offices

· Administrative Assistant's Assistant: Copied, filed, shredded and recorded hospital documents under the direction of staff; ran errends and delivered messeges throughout hospital

ASSOCIATIONS ACHIEVEMENTS

Bucknell Student Government Class of 2019 Senator; Advocacy Committee Member; Dining Committee Member; Student Advisory Group Member; Greek Relations Committee Member

HACC Student Government Association Legislative Chair; Senator; Ethics Committee Chair

Phi Beta Lambda President

ACADEMIC ACHIEVEMENTS

Bucknell Community College Scholars Program Scholarship

Graduated *cum laude* from Bucknell University

Dean's List: Spring 2019; Fall 2016; Spring 2016; Fall 2015; Academic Year 2015

INTERESTS

Ballroom Dance; Piano; Violin; Guitar; Architecture; Horticulture; Chemistry; Cybernetics; Electronics; Video Games; Legos

ATHLETICS

Running; Obstacle Courses; Climbing; Combat Sports; Rappelling; One Punch Workout; Cycling