J. ELLIOT MILLER

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TECHNICAL STRENGTHS

Computer Languages	C/C++, Java, Python, Visual Basic, C#
Software & Tools	Unity, LaTeX, Git, SQL, NumPy, SciKitLearn

PROJECTS

Small Business CRM/PM System 2019
Versatile task management backend

· Written in Python and SQL
· Handles employee task management, customer relationship management, and invoicing

Circuit Theory Game 2018
Developed game to intuitively teach circuit theory

· Programmed in C#, Unity, Bash, and SPICE
· Parses SPICE output into matrix and visual representation using the Edmunds-Karp algorithm

EDUCATION

Bucknell University June 2016 - May 2019
Bachelor of Arts, Computer Science *GPA: 3.55 cum laude*
College of Arts and Sciences, Minor in Philosophy

RELEVANT EXPERIENCE

Vogon Constructors, LLC July 2019 - April 2023
Manager/Owner/Electrician/Project Manager

· Created company brand and marketing campaigns
· Ran up to five figure projects
· Trained employees for both trade work and administration

Bucknell University June 2018 - August 2019
Undergraduate Research

· Employed SciKitLearn/NumPy in Python environment to construct machine learning classifiers used in analyzing effectiveness of ϵ-Differential Privacy data protections
· Presented research at Susquehanna Valley Summer Research Symposium
· Ran artificial intelligence attacks using university Linux cluster against ϵ-Differentially Private data

The Bayeux Group November 2014 - Present
Owner/Manager

· Founded company to provide business services to new entrepreneurs
· Directed bookkeeping, scheduling, customer and supply chain management, traditional and e-marketing, cost control sales strategic planning, product development, risk management, and software and data analytics on behalf of clients
· Hired, supervised, and trained new employees for multidisciplinary teams