

Bryan Garry

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6 Canoga Place, Nottingham, MD 21236

EDUCATION

Lafayette College

Easton, PA

B.S. Physics | Minor in Computer Science

Graduated May 2020

- GPA: 3.27
- Coursework: Data Structures & Algorithms, Computer Architecture, Algorithm Analysis, Principles of Programming Languages, Classical Mechanics, Electromagnetic Fields, Optics, Thermodynamics, Quantum Mechanics, Condensed Matter, Observational Astronomy, Computer Gaming, Differential Equations, Linear Algebra
- Organizations: Physics Club, Men's Club Soccer

WORK EXPERIENCE

Survice Engineering

Belcamp, MD

System Analyst

July 2020 - Present

- Completed 25+ unique aircraft analyses using AJEM (Advanced Joint Effectiveness Model) to populate a local database with survivability, lethality, and vulnerability data.
- Developed a Python data processing script to automate the task of manually formatting raw data from analyses mentioned above, capable of being run via Linux command line and improving overall analysis efficiency.
- Collaborated with team members to fulfill 100+ customer data requests using subject matter expertise.
- Currently supporting the prototyping of the Synthetic Training Environment (STE) Live Training Environment (LTE) in Unreal Engine 4 (UE4) by developing a model for High Energy Laser (HEL) simulation as well as improving upon existing AI neural networks.

General Dynamics Electric Boat

New London, CT

Electrical Systems Engineer Intern

May 2018 - July 2018 | May 2019 - July 2019

- Supported the improvement and evolution of the COLUMBIA-class nuclear submarine during early stages of development.
- Assisted in Hull, Mechanical and Electrical (HM&E) Monitoring and Control (HMC) System test activities including development of SIM/STIM design documentation and software in associated component qualification testing and system verification testing.
- Aided initial setup of the fiber optic cable network in the HMC laboratory, including the installment and documentation of 1000+ cables.
- Created a Fire Detection System (FDS) test platform to validate system configuration, later to be expanded to encompass the entire 100+ sensor system to be installed on the submarine.

SKILLS

Software Skills

- MS Office Suite
- Visual Studio
- Eclipse
- Git

Programming Languages

- Python
- C#
- C++
- C
- Java
- SQL

Laboratory Skills

- Data Collection & Analysis
- Verification & Validation
- Testing Protocols / Unit Testing