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| ***Jonathan Brennan*** | **Bangor, PA – 484-541-0859**  [**Jonbrennan800@gmail.com**](mailto:Jonbrennan800@gmail.com)  [**https://github.com/CodeDog3**](https://github.com/CodeDog3)  [**https://www.linkedin.com/in/jonathan-brennan-95a334270**](https://www.linkedin.com/in/jonathan-brennan-95a334270)  [**https://codedog3.github.io/Portfolio3/**](https://codedog3.github.io/Portfolio3/) |
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I am a recent graduate from Millersville University with a B.S. in Computer Science and a minor in mathematics. I have a competitive nature and I’m excited to learn new concepts and expand my overall knowledge.

**Undergrad Courses**

* **Discrete structures**: Learned computational logic, binary logic, etc.
* **Intro to programming 1 and 2**: Learned Java and practical uses of it.
* **Programming Languages:** Learned common programming techniques and how to adapt to new languages.
* **Computational Models**: Learned regex and how to keep track of state.
* **Data Structures**: Learned C++ and implementation of data structures and how to use them.
* **Database Systems**: Learned SQL, No SQL and databases.
* **Computer Architecture**: Learned about microarchitecture, bitwise function, and ASM.
* **Operating Systems**: Learning C and OS calls.
* **Software Engineering**: Learned how to work under a client in a dynamic work environment with teammates, Git, and learned about long term development and how to overcome difficult programming challenges.
* **Game Development***:* Reinforced development and teamwork skills and learned C# scripting.
* **Web Development**: Learned HTML, JavaScript, CSS, non-relational DBs, authentication, security, routing, and more.
* **Computer and Networks Security:** Learning about vulnerabilities in a system and how to properly take countermeasures.

**Languages and Tools**

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| **Languages:**   * HTML + CSS * JavaScript * Python * Java * C# * C++ * SQL | **Tools:**   * ReactJS * NodeJS and ExpressJS * Git * JQuery and Bootstrap * MongoDB * EJS * Unity and Environment building * Selenium Webscraping |

**Other Skills**

* Web design and usability
* Web Automation
* AGILE/scrum, peer programming
* RESTful APIS
* Web safety from XSS and SQLI, tools like BURP suite, Kali Linux, and other pentest tools
* Substantial problem-solving skills
* Advanced Mathematical skills

**Education**

* Bachelor’s Degree in computer science at Millersville University (incomplete, August 2019 – May 2023)
* Multiple semesters of Dean’s List and graduating with a GPA of 3.55
* Math minor at Millersville University (August 2019 – May 2022)
* Received high school diploma at Bangor Area High School (August 2015 – June 2019)

**Accomplishments and Experience**

* Made full stack book selling website with Mongo, Express, and Node
* Made web app to track workout progress
* Coding club
* Made an AES block cipher encrypter to encrypt data and transmit over web
* Successfully installed Arch Linux through VM
* Made a UML editor in a semester long group project with Java
* Made a calculator in Java with order precedence using tree structure
* Made Python script to map current location to desired location with quick run through PEV.
* Working towards getting my Comptia Security+ clearance
* Currently building TODO app with Firebase, Express, React, Node stack

**Relevant Work History**

**Logic Tutor - Millersville University** *Millersville PA (From October 2023 - December 2023)*

Acquired Skills

* + Worked closely with students to help them understand difficult concepts
  + Learned how to explain things in a way that made sense for others

**Bug Bounty Hunting - Remote** *Millersville PA (From February 2023 - Present)*

Acquired Skills

* + Learned how some vulnerabilities can be exploited and what is at risk if breach occurred.