

Jonathan Bryan

Jbryan74@vols.utk.edu ❖ (865) 705-9847 ❖ 4714 Clairson Dr., Knoxville, TN, 37931

EDUCATION

University of Tennessee, Knoxville
BS, Major: Computer Science, Minor: Cybersecurity
GPA: 3.92/4.0

Expected Graduation: May, 2021
Knoxville, TN

WORK EXPERIENCE

University of Tennessee, Knoxville
Undergraduate Research Assistant at Usable Security and Engineering Research Laboratory

December, 2019 – Present
Knoxville, TN

- Developed a package for Python used to analyze the shape of code by mining various GitHub repositories
- Some metrics of interest may include: Number of files per repo, average length of files in the repo, etc.
- Professor: **Dr. Austin Henley**

University of Tennessee, Knoxville
Undergraduate Research Assistant at Nonlinear Bio-Dynamics laboratory

August, 2019 – May, 2020
Knoxville, TN

- Developed a game platform for users to interact with a Tello EDU drone using an EMOTIV EPOC+ EEG headset with the purpose of analyzing the results of various participants
- The interface for the platform was created using Node-RED alongside Python
- Professor: **Dr. Xiaopeng Zhao**

RELEVANT COURSEWORK

- Data Structures/Algorithms I & II
- Systems Programming
- Introduction to Applied Cryptography
- Calculus 1, 2, & 3
- Matrix Algebra
- Computer Organization/Assembly
- Introduction to Scientific Computing

SKILLS

Programming Languages:

- C++, C
- Python
- HTML/CSS/Javascript/Ajax
- PHP
- Java
- MySQL (MySQL, SQLite3)
- NoSQL (MongoDB)
- Ruby

Technologies/Frameworks/Concepts:

- Git/SVN/GitFlow
- Node.js
- Electron.js
- JSX/React.js
- Linux (Ubuntu/Arch)
- Firebase
- Express.js
- Ruby On Rails
- Relation Database Design

INTERESTS

- Cybersecurity
- Robotics
- Machine Learning

CLUBS & HONORS

- Co-captain & Programmer for Pellissippi IEEE Robotics club
- Member of HackUTK club
- Presented Undergraduate Research at both *UT Day on the Hill* as well as at *EURēCA*
 - Poster displayed at *EURēCA*: <https://drive.google.com/file/d/1Eqb4FnqTBHpGlvWHXtS-ICLcbjc7SFmQ/view>

ADDITIONAL INFORMATION

- Github account: <https://github.com/jtbryan>
- Linkedin profile: <https://www.linkedin.com/in/jonathan-bryan-004953109/>
- Portfolio: <https://jtbryan.github.io>