Jonathan Bryan

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EDUCATION

University of Tennessee, Knoxville   **Expected Graduation: May, 2021**
BS, Major: Computer Science, Minor: Cybersecurity   *Knoxville, TN*
GPA: 3.92/4.0

WORK EXPERIENCE

University of Tennessee, Knoxville   **December, 2019 – Present**
*Undergraduate Research Assistant at **Usable Security and Engineering Research Laboratory***   *Knoxville, TN*
- Developed a package for Python used to ascertain what code looks like by observing 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   **August, 2019 – May, 2020**
*Undergraduate Research Assistant at **Nonlinear Bio-Dynamics laboratory***   *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 | **(4 years)**
- Python | **(3 years)**
- HTML/CSS/Javascript/Ajax | **(2 years)**
- PHP | **(2 years)**
- JSX/React | **(2 years)**
- Java | **(1 year)**
- MySQL (SQL) | **(1 year)**
- NoSQL (MongoDB) | **(1 year)**

Technologies/Frameworks/Concepts:
- Git/SVN/GitFlow | **(3 years)**
- Node.js | **(2 years)**
- Linux (Ubuntu/Arch) | **(2 years)**
- Electron | **(1 year)**
- Firebase | **(1 year)**
- Express.js | **(< 1 year)**
- Relation Database Design| **(< 1 year)**

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/
- Websites I have worked on:
  - https://vocacoord.com/