BRIAN CULBERSON

briannculberson@gmail.com
(513)967-7960

References Upon Request
https://github.com/InJanus - **injanus.tech**

Languages

- Java, C++/C, Cuda, Python, WebDev (HTML, JS, CSS), AWS, Angular.js, Angular, React, Next.js, MSDOS, VB.net, VB6, MATLAB, Octave
- Microsoft Office, Linux (Ubuntu, Mint, LFS), Windows XP, Vista, 7, 8, 10, 11

Education

- University of Cincinnati | College of Engineering and Applied Science
  - Computer Engineering Major, Computer Science Minor - Class of 2022 – GPA 3.0

Work Experience

- Associate Firmware Developer | Prodigy – August 2022 to Present
  - Develop schematics, PCB's, and firmware to work inside a medical device
  - Work in a consulting role, quoting for clients, problem solving hardware issues.
- Co-op Developer | ITI Global (Wipro) – January 2021 to August 2021
  - Implement Python scripts for data migration in systems
  - Assist with new implementation and bug fixing with Java backend and Angular front end (DEXcenter)
- Co-op Developer | Siemens PLM – May 2020 to August 2020
  - Training on Siemens NX (Modeling, Advanced Modeling, Assemblies, Advanced Assemblies, Routing)
  - Work on PR reports involved with NX Routing and Fixing tests
- Co-op Developer | Siemens PLM – August 2019 to December 2019
  - Continuing of 1st Rotation – More involved in the development process for Solution Link
  - Web Development of new User stories and Bugs related to Mindstart page
  - Working with an international team of developers on a large code base
- Co-op Developer | Siemens PLM – January 2019 to April 2019
  - Developing and Debugging local Python flask API Search Tool (Elastic Search)- Mindstart
  - Implementing solution in a web tool using Angular.js - Solution Link
  - Start implementation in AWS Lambda using S3 Buckets
- Laser Kraze – June 2017 to December 2018
  - Public Speaking in front of crowds, properly running laser tag games and birthday parties
  - Custom LED light controller for implementation in lobby, laser tag vest repair and arcade game repair

Projects

- Arduino and Raspberry PI - LED controller, IOT Devices, Robot Arm, Custom 3D Printer
- Website (injanus.tech) - Angular.js and React
- Electric rideable – 5kW Electric Unicycle
- Personal Server Rack - GIT Server, Flask API, NAS Server
- Various computer programs - Games, API Programming, Simulation, Server hosting
- Academic Research - Flapping Wing Vehicle

Skills

- 3D Modeling – Prototyping - Siemens NX, Autodesk (Fusion 360)
- Electrical Design – (Eagle CAD, KiCad, Altium Designer)
- Shop Experience - 3D Printing - CNC Manufacturing (Lathe) - Woodworking
- Soldering - PCB design, Custom PCB Etching
- Amateur Radio – Mobile, Handheld, and Repeater setup and Programming
- Threading and Parallel Programming – Development and Debugging
- Microcontroller Solutions – Arduino, Raspberry Pi, Serial Programming, Microcontroller Development
- Communication Protocols – UART, I2C

Organizations

- UCARC (University of Cincinnati Amateur Radio Club) Treasurer
  - Responsible for allocating university funds
- Hoosier Leadership Workshop Board Member
  - Making decisions on new improvements on the annual workshops