**SUMMARY**

Passionate about leveraging cutting-edge technology and teamwork to develop solutions and meet goals, while remembering the hard problems from yesterday. Seeking to add tremendous value to an organization that finds the right work-life balance for promoting healthy growth and positive citizenry.

**QUALIFICATIONS**

**Bloomsburg University of Pennsylvania Bloomsburg, Pennsylvania**

Earned an **‘A’** in *Software Engineering* (*Object-Oriented Software Engineering with Java*)***January 2013 through May 2013***

**Vincennes University of Indiana Vincennes, Indiana**

Mechatronics Certificate *(Allen-Bradley P.L.C., Industrial Electricity, Fluid Power, Mechanical Drives)* ***July 2020 through October 2020***

**Bottega University (**[**www.bottega.edu**](http://www.bottega.edu)**) Virtual Learning System**

Full-Stack Web Development Certificate *(Python 3, Flask, JavaScript, ReactJS, SCSS, SQL, NoSQL)* ***October 2020 through October 2021***

**SKILLS**

Troubleshooting **|** Typing Over 80 *WPM* **|** Continuous Improvement Continuous Integration **|** Command Line Interfaces **|** Computer Programming **|** Computer Networking **|** Socket Programming **|** Full-stack Web Development **|** Database Design **|** Application Development **|** Mathematical Comprehension **|** Data Science **|** Machine Learning **|** Large Language Models **|** *MLX* **|** *FastAI* **|** *HuggingFace* **|** *PyTorch* **|** *llama.cpp* **|** *Python 3* **|** *JavaScript* **|** *React* **|** *CSS* **|** *SQL* **|** *SQLALchemy* **|** *REST* *REST*ful *API* **|** *Django* **|** *Flask* **|** *Amazon Redshift* **|** *PostgreSQL* **|** *MySQL* **|** Containerization with *Docker* **|** *HTML5* **|** *Java* **|** *JSP* **|** *Git GitHub* **|** *Linux* **|** *BASH* **|** *C++* **|** *C* **|** *UML* **|** Communication **|** Writing Technical Manuals **|** *Microsoft Visual Basic for Office Applications VBA* **|** *Microsoft Office* **|** Multitasking **|** Consistency **|** Organization **|** Decision Making **|** Leadership **|** Working Under Pressure **|** Navigating Complexity **|** Fast-paced Environments **|** Positive Attitudes **|** Cultural Sensitivity **|** Emotional Intelligence **|** Mobile Equipment Work Platforms **|** Lock Out Tag Out **|** Hazardous Energy Release **|** Electrical Wiring **|** Electrical Safety **|** *Logix5000* **|** *Arduino* **|** Pneumatic Hydraulic Plumbing **|** Electrical Pneumatic Hydraulic Circuit Schematic Comprehension **|** Ladder Logic **|** Lifting objects up to 75 pounds

**WORK EXPERIENCE**

**Juice Analytics (**[**www.juiceanalytics.com**](http://www.juiceanalytics.com)**):** worked with 10 to 20 employees under the title of **Nashville, Tennessee**

*Data Application Developer: Juicebox Custom Applications* ***November 2022 through October 2023***

* Systems analysis to discover, document, and fix numerical inconsistencies among application components
* Agile development of fixes, improvements, and new features for *Juicebox Data Applications* (a data insights platform)
* Communicating business status to external stakeholders, pairing with stakeholders to troubleshoot application components

[**Amazon.com**](https://www.amazon.com/) **Fulfillment AVP1:** worked with about 1,000 employees under the titles of**Hazle Township, Pennsylvania**

*Internal Cross-Dock Inventory Management Specialist* **&** *RME Mechatronics: Production Floor* ***April 2016 through August 2021***

* Problem solver trusted with the authority and freedom to: find new methods, train new associates, supervise process quality, safety and flow
* Process assistant trusted by subordinate team members to lead them to success daily in aspects like safety, productivity, quality, and fairness
* Emphasize safety while manipulating containers by hand or by *Crown RC5500* with speed, accuracy, consistency and precision in all aspects
* Maintenance Technician for facility production equipment faults and repairs, effectively utilize organized downtime schedules, policing safety

**Bloomsburg University of Pennsylvania:** worked with about 50 staff, faculty, and students as the **Bloomsburg, Pennsylvania**

*Interim Java Developer: Bloomsburg University Solar & Energy Kiosk* ***September 2013 through September 2014***

* Lead software developer of an interdepartmental effort to create a networked real-time, multi-user system for solar panels
* Primary technical communicator with peers, leadership, partners and non-technical stakeholders
* Lectured and tutored the system (as “*The SME”*) to technical students and non-technical audiences of varying sizes (from 1 to 100)

**EDUCATION**

**Bloomsburg University of Pennsylvania Bloomsburg, Pennsylvania**

Bachelors of Science *(Computer Science),* **Pursuant*****September 2009 through May 2015***

**ACHIEVEMENTS**

* **Data Application Developer Summarization** (minimums)**:**
  + Deployed 161 fixes, 8 improvements, and 10 new features in 21 data applications for 2 clients; 3 changes discarded
  + Deployed 5 fixes, and 1 improvement to the business platform core library; 1 change discarded
* **Inventory Management Specialist:**
  + Developed, deployed and supported a power user application suite to save resources, for multiple facilities, used by a small gross
  + Developed and deployed internal-use report automations for data critical to shift senior operational leaders, used by the tens
  + A seasonal supervisory role led to savings in excess of a million dollars for the area supervised through associate engagement
* **Interim Java Developer:**
  + Deployed the first generation of a greenfield project, the *Bloomsburg University Solar & Energy Kiosk*; utilizing *Java* and *Arduino*
  + Speaker at the annual *American Association of Geographers* *2014* conference with a live remote kiosk control demonstration

**UNEMPLOYMENT ACTIVITIES**

**Large Language Model Training Locally with Apple Silicon Walnutport, Pennsylvania**

Minor usability fixes merged as @jac-jim into repos ml-explore/mlx-examples*,* ggerganov/llama.cpp***November 2023 through present***

* *HuggingFace* | *Python 3* | *PyTorch* | *MLX* | *GitHub* | Shell Scripting | Data Science Principles| Natural Language Processing
  + The goal is 70B+ models trained on specific literary works to enable analysis, Q/A, character emulation, and synthetic critique

**Embedded Large Language Model Accelerated Inference Devices Walnutport, Pennsylvania**

Adjusting a Linux distribution to enable accelerated LLM inference on a low-cost, low-power edge device***May 2024 to present***

* *Pine64 Quartz64* | *Arduino* | Electrical Wiring *| Armbian Linux* | *Manjaro ARM* | *PyTorch* | ggerganov/llama.cpp | cnugteren/clblast | *Julius*
  + The goal is offline orally driven inferences to assist field technicians with simple queries, or to emulate characters for theater props

**Machine Learning Up-Skilling with *FastAI Fastbook* Walnutport, Pennsylvania**

Opened a PR as @sunlambda to help others learn without signing up for a paid-free trial when using fastai/fastbook***April 2024 to present***

* *Python 3* | *Jupyter Notebooks* | *PyTorch* | *FastAI* | Machine Learning Applications *|* Data Science Principles
  + The goal is to complete the course in-lieu of purchasing yet-another certificate from an institution

**Full-Stack Developer Portfolio Creation, Alternative Containerization of the *Microblog* Walnutport, Pennsylvania**

Started and completed several portfolio projects as @ultasun to demonstrate my skill competency for hiring purposes***January 2022 to November 2022***

* *Java* | *Python 3* | *Docker* | *Common Lisp* | *React* | *CSS* | *JavaScript* | *HTML5* | *Flask* | *LibreTranslate*
  + The goal was to maintain skill competency and convince business stakeholders I am effective user and developer of tools

**DESIRED SKILLS**

*LangChain* | *GoLang* | *Swift* | *iOS Native* | *Core ML* | Converting *HuggingFace* language models to *Core ML* |

Training microsoft/Phi-3-vision-128k-instruct