

Patrick Larson

Software Engineer

github.com/patrickslarson8 • linkedin.com/in/patrick-larson8

PROFESSIONAL SUMMARY

I am a software engineer with one year of experience complemented with seven years of military service. have an additional two years of experience coding for personal projects. My career made me a driven problem solver with excellent communication and collaboration skills. I place people first and believe everything else comes second. My education includes studying electrical engineering, computer hardware, and most recently artificial intelligence.

SELECTED ACCOMPLISHMENTS

- AI Project using computer vision to autonomously plug in an electric vehicle
 - Skills Leveraged: Python | TensorFlow | Computer Vision | Linux OS
 - Developed and maintained database application to track the progress of students through Army Aviation flight school, streamlining the administrative workflow
 - Skills Leveraged: SQL | Visual Basic | MS Access
 - Airport Check-in Queuing Simulation to study the principles of Object-Oriented Programming
 - Skills Leveraged: C++ | OOP
 - Desktop application project to manage classes, students, and teachers of an organization to learn the fundamentals of C#
 - Skills Leveraged: C# | SQL | OOP
 - Personal website (patrickslarson8.github.io) to learn frontend and web fundamentals
 - Skills Leveraged: HTML | CSS | JavaScript
-

CERTIFICATIONS

- TensorFlow Developer (ID: 56236042)
- Azure Data Science Associate (ID: 994164510)

EXPERIENCE

- OCT 2022 – PRESENT *MICROSOFT – SOFTWARE AND SYSTEMS ACADEMY* *REMOTE*
- Competitive and rigorous computer science fundamentals program
 - Training in skills including C#, T-SQL, Algorithms, Data Structures, OOP, HTML5, ASP.Net, and Git
- OCT 2021 – OCT 2022 *U.S. ARMY – SOFTWARE ENGINEER* *FORT RUCKER, AL*
- Developed and deployed student tracking database with continuous support through bug fixes and feature implementation
 - Worked outside scope to streamline outdated workflows by developing SharePoint sites
- JAN 2020 – OCT 2021 *U.S. ARMY – DOCTRINE INSTRUCTOR* *FORT RUCKER, AL*
- Trained and mentored over 700 students of diverse backgrounds in my tenure
 - Certified in Army Equal Opportunity and Resilience programs
 - Improved curriculum by updating doctrine and techniques with great attention to detail
- JAN 2017 – JAN 2020 *U.S. ARMY – HELICOPTER PLATOON LEADER* *FORT HOOD, TX*
- Routinely deployed and maintained networks of computers in mission-critical roles, reducing planning and mission response times
 - Managed customer success and translated requirements by integrating aviation operations into unfamiliar units
 - Continuously multi-tasked while organizing the daily operations of 40 personnel and flight operations including 350 flights and 1,400 flight hours with a 0% failure rate
- MAY 2015 – JAN 2017 *U.S. ARMY – HELICOPTER FLIGHT SCHOOL* *FORT RUCKER, AL*
- Trained and certified in the Boeing CH-47F cargo helicopter
-

EDUCATION

- Jan 2022 – Present *WHITING SCHOOL OF ENGINEERING AT JOHNS HOPKINS UNIVERSITY* *BALTIMORE, MD*
Master of Science in Artificial Intelligence
- Anticipated completion Summer 2024
 - 4.0 in related coursework
- Jul 2011 – May 2015 *UNITED STATES MILITARY ACADEMY* *WEST POINT, NY*
Bachelor of Science in Electrical Engineering
- Focus on computer hardware and networking fundamentals
 - Competed in an inaugural NSA-sponsored network security competition