**Nathan Scott Jobe**

Location: Chicago, IL Phone: +1 (828) 406-7543 Email: nscottjobe@gmail.com

**GitHub**: <https://www.github.com/ovtsa>

**LinkedIn**: <https://www.linkedin.com/in/nathan-jobe/>

**Experience**

**Persistent Systems** Charlotte, NC

*Software Developer* June 2021 – present

* Contributed to the decoupling of SQL queries for a PostgreSQL database from a .NET 5  
  backend by migrating them to stored procedures
* Contributed to the frontend development of an internal timesheet logging application  
  with Angular 13, creating reusable components
* Contributed to the L3 support team of IBM FTM, resolving various defects in the user experience
* Internal learning courses in Angular, .NET Core, and containerization/Docker

**ECR Software Corporation** Boone, NC

*Internal Developer Intern* September 2020 – December 2020

* Learned the Agile development process with Jira and version control with Git
* Wrote/modified PHP code, JavaScript, and MySQL queries for web projects
* Integrated a connection with an S3 AWS server through a PHP backend microservice

**Technology Support Services, Appalachian State University** Boone, NC

*Information Technology Support Specialist* August 2018 – September 2020

* Interacted with customers and coworkers to diagnose software and hardware problems on macOS computers
* Performing various tasks replacing or repairing hardware and debugging software defects on customers’ computers
* Demonstrated customer service skills and a team-player attitude in interactions with customers and my coworkers

**Education**

**Appalachian State University, College of Arts and Sciences** Boone, NC

*Bachelor of Science in Computer Science* (GPA 3.44) August 2017 – December 2020

* Honors: New River Light & Power Scholar
* Relevant Coursework: Computer Science 1 and 2, Computer Systems 1 and 2, Database, Data Structures, Programming Languages, Software Engineering, Discrete Mathematics, Linear Algebra, Statistical Data Analysis in R, Computer Networks, Cybersecurity

**INSA Lyon** Lyon, France

*Exchange in Telecommunications* August 2019 – December 2019

**Projects**

**The Mandelbrot Set Explorer** (JavaScript, HTML, CSS, GitHub Pages)

* A published web application that simulates a Mandelbrot fractal
* Allows exploration via zooming and panning
* Implements “bands” of color for iterations taken in the escape function
* Accessible at <https://ovtsa.github.io/html/mandelbrot.html>

**Minesweeper** (Java, JavaFX, Apache Ant, XML)

* A Minesweeper clone using a custom Java MVC framework, the JavaFX graphical library, multithreading, and Apache Ant for managing the build process
* Accessible at <https://github.com/ovtsa/Minesweeper>

**Skills**

Angular/TypeScript, Docker, Gang of Four Design Patterns, Java and Object-Oriented Programming Concepts, JavaScript, MongoDB and NoSQL Database Concepts, .NET Core Ecosystem (C# Language, WebAPIs), RESTful API Development, SQL and Relational Database Concepts