

# Nathan Sellars

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(479) 372 - 8169

Objective: I am seeking a position to showcase my passion and curiosity for technology. Through my drive and willingness to learn new technologies, I enjoy the challenge of taking on complex problems and the satisfaction of reaching applicable solutions.

## Education:

Zero To Mastery Academy, E-Learning, Toronto, Ontario, Canada

Diploma of Education: Computer Programming, December 2020 — Present

NorthWest Arkansas Community College, Bentonville, AR

Majors: Computer Information Systems, December 2020

Liberal Arts & Sciences, December 2020

## Technical Skills:

### Application Development:

- Java (Core Java, Java OOP) - 3 years
- SQL (MySQL, SQL Server, SQLite) - 3 years
- C++ - 3 years
- C# - 2 years
- PHP - 2 years
- Python - < 1 year

### Front End Development:

- HTML5 - 3 years
- CSS3 - 3 years
- JavaScript (Vanilla.js, ES5, ES6-ES2020) - < 1 year
- jQuery - < 1 year
- Bootstrap - < 1 year
- React.js - < 1 year

### Other:

- Git/GitHub - < 1 year

Experience: [www.linkedin.com/in/nathan-sellars-ba702b1a8](https://www.linkedin.com/in/nathan-sellars-ba702b1a8)

**Front End Developer**, Bentonville, Arkansas, United States

Freelance, Dec 2020 — Present • 9 months

Projects: <https://github.com/nsellars98>

### Database Management with MVC Framework

Utilized: PHP, XAMPP, SQLite, PhpStorm, HTML5/CSS3

- Implemented the MVC Framework with PHP and a SQLite database to manage a Funko Pop collection.
- Integrated a SQLite database enabling users to easily perform all CRUD (Create, Retrieve, Update, Delete) operations on the Funko Pops.
- Incorporated persistent data storage to archive the Funko Pops and to seamlessly search for by name, type, or ID number.
- Searches returning results have the option to be saved to an external file.
- Webpage forms written in HTML with CSS styling for error handling and formatting.

### Complex Number Calculator

Utilized: C#, Visual Studio

- Designed a GUI application in C# with Windows forms and operator overloading to create a complex number calculator.
- All calculator operations (addition, subtraction, multiplication, division) can be performed by the user through an easy-to-use graphical interface.
- The calculator can also check whether two complex numbers share equality.
- Included data validation functionality so the user could not proceed to make any calculations without entering the correct values on the GUI form.

### Currency Converter

Utilized: Java, JavaFX, IntelliJ IDEA

- Developed a JavaFX GUI forms application to process currency conversions.
- Users can effortlessly convert between any amount of money in British Pounds (GBP) to other listed currencies all through a convenient graphical interface.
- Added data validation functionality to ensure correct values are entered on the GUI form before processing conversions.

### Resistances for Complex Circuits

Utilized: Java, IntelliJ IDEA, C++, Visual Studio

- Created an application to calculate the resistance of any complex circuit combination in two different programming languages.
- Modeled two circuit models (series, parallel) through an inheritance hierarchy to create an elegant solution offering default functionality for sub/derived classes and providing a template for future specific classes with minimal and reusable code.
- Written first in Java, then reworked in C++.

### Demo Startup Webpage

Utilized: HTML5/CSS3, Sublime Text

- Drafted a responsive demo webpage for a potential startup idea linking to a signup form to showcase fundamental web development skills.
- The signup form collects the users first and last names and email address to be subscribed to a newsletter.
- The user must confirm their email address before receiving any updates.

### **Retail Sales Associate**, Bentonville, Arkansas, United States

Rush Running Co • Part-time, Dec 2014 — May 2020 • 5 years 6 months

- Brand Ambassador for Mizuno USA
- Customer Service Expert
- Inventory Specialist
- Trusted key holder for two store locations.
- Assisted with weekend store management.
- Frequent race participant, volunteer, and ambassador of running throughout the community.

References: Available Upon Request.