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Lake Orion, MI

## **Relevant Courses**

#### **EECS 183**:

**Elementary Programming Concepts** 

#### **EECS 280**

Programming & Introductory Data Structures

#### **FFCS 281**

Data Structures & Algorithms

#### **EECS 370**:

Introduction to Computer Organization

#### **EECS 376**:

Foundations of Computer Science

#### **EECS 485**:

Web Systems

#### **EECS 493**:

User Interface Development

### **EECS 494**:

Game Development

#### **EECS 441**:

Mobile App Development for Entrepreneurs

#### **EECS 481**:

Software Engineering

### **EECS 486**:

Information Retrieval

## Free Code Camp:

Front End Dev. Libraries Certification

## **Skills**

### Languages

Python, C++, C#, SQL, JavaScript, HTML, CSS

## Frameworks & Libraries

React, Vue, Vuetify, Bootstrap, Express, MongoDB, Flask, Django, Jinja, Node

### Other Skills / Tools / Apps

Office, SalesForce, InDesign, YouTube, PhotoShop, FL Studio, Unity Engine

## **Interests**

Sports, Lifting Weights, Fishing, Water Skiing, Christopher Nolan movies, Dogs

## **Experience**

## Software Quality Engineer Intern • Nexsys Technologies

June 2020 - August 2020, June 2021 - August 2021 // Detroit, MI

- Refactored / maintained / updated legacy code for ClearSign.
- Improved test suites based on performance analysis metrics
- Attended weekly "learn to code" sessions, delving into code base
- Worked in Agile environment // worked with C# .NET core

## Advanced Simulation Technologies Intern • AVL Powertrain Engineering

June 2019 - August 2019 // Plymouth, MI

- Worked with software sales engineering team
- Projects included a five-year software sales analysis, report, and presentation;
  University Partnership Program SWOT analysis; and a marketing ROI data analysis
- · Shadowed during code inspection and code reviews

### **EECS 481: Software Engineering**

January 2022 - April 2022 // University of Michigan // Ann Arbor, MI

 Assignments included creating high-coverage test suites (manually & automated), using mutation testing, defect detection via static analysis tools, implementing delta-debugging, and an open-source contribution

#### Music Production

Sept 2016 - Present // Lake Orion, MI

 Manage website and YouTube channel; lease tracks to artists; and produce, mix, and master tracks

## **Education**

## University of Michigan • Bachelors of Science

Sept 2018 - April 2022 // Ann Arbor, MI

• Graduated with a major in Computer Science through LSA and 3.45 GPA

### Orchard Lake St. Mary's Preparatory • High School

August 2014 - May 2018 // Orchard Lake, MI

Graduated third in class with a 4.21 GPA

## **Achievements**

## University of Michigan Men's Club Lacrosse Captain

October 2020 - April 2022

Helped coordinate team practices and events on and off the field

# J.P. Morgan Chase EECS 183 Computer Science Showcase Winner

April 2019

Awarded to a team based on project's complexity and ingenuity

### MHSCLA Academic All American

May 2018

 Awarded to a player based on lacrosse skills, sportsmanship, academic achievement, and quality of character