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# Ted Laesch

## Computer Science

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### OBJECTIVE

To obtain a full time position in the field of computer science

### EDUCATION

#### Bachelor of Science in Computer Science

University of Missouri St. Louis

May 2023

GPA: 3.50/4.00

- Relevant Courses: Engineering Programming I, Algorithms and Abstract Data, Object-Oriented Programming, Computer Org & Architecture, System Programming and Tools, Web Programming, Design & Analysis of Algorithms, Programming Languages, Intro to the Software Profession, Operating Systems, Artificial Intelligence, Software Security, Web Development with Advanced JavaScript, Intro to Microservices, Python for Data Science, Discrete Mathematics, Elementary Linear Algebra

### SKILLS

**Languages** Java, Python, C, JavaScript, HTML/CSS, PHP, MySQL,  $\text{\LaTeX}$   
**Systems & Applications** IntelliJ IDEA, Visual Studio Code, XAMPP, Git, Unix

### PROJECT EXPERIENCE

#### "Tilde" Compiler

University of Missouri - St. Louis

January 2023 — May 2023

St. Louis, MO

- Developed a compiler with the goal of compiling a rudimentary programming language nicknamed "Tilde" into assembly code.
- Created an intuitive command line interface allowing for multiple methods of code input.
- Implemented a lexer, LL parser, and variable static semantics as well as a Visual Studio Code plugin to allow for syntax highlighting.
- Tutored peers in concepts related to the compiler as well as providing programming and debug assistance.

#### "We are St. Louis" Interactive Map

University of Missouri - St. Louis

October 2022 — December 2022

St. Louis, MO

- Co-led a team in the design and development of a web-based interactive public history and storytelling project.
- Utilized agile methodology and adjusted design during development based on customer feedback.
- Developed a salted hash-based secure authentication system for website administrators.
- Integrated technologies such as JavaScript, MySQL, PHP, and Apache in a full stack web development role.

### WORK EXPERIENCE

#### Web Developer

We Are St. Louis

February 2023 — Present

St. Louis, MO

- Developed and updated the website of a non-profit organization based at the University of Missouri - St. Louis.
- Integrated ArcGIS Web, Wordpress, and Omeka S technologies to create a cohesive user experience site-wide.
- Created custom plugins to add features to existing technology that lacked required functionality.
- Worked independently and remotely while meeting deadlines and maintaining communication with organization staff.

#### Sales and Customer Service Representative

Waldbart Nursery

April 2021 — Present

St. Louis, MO

- Worked directly with contractors and retail customers to meet landscaping needs and finalize sales.
- Performed maintenance on and operated farm machinery in a self-supervised environment.
- Effectively communicated and cooperated with coworkers to complete large scale projects and orders.
- Managed IT duties and support for the Florissant nursery location.

#### Resident Assistant

Valparaiso University

March 2020 — December 2020

Valparaiso, IN

- Worked to help orient residents to campus life, connecting with each student weekly.
- Organized events and activities for residents to facilitate interaction outside the classroom and foster community.

#### Hesse Scholar Tutor

Valparaiso University

August 2018 — December 2019

Valparaiso, IN

- Provided walk-in peer tutoring and help sessions for STEM students in first and second year classes.

### INTERESTS

Hiking, Bible Study, Music, Linux VMs, Python Scripting