

# Zihan Wang

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[LinkedIn](#) | [Personal Website](#)

## EDUCATION

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### Northeastern University, Seattle, WA

M.S. in Computer Science (GPA: 4.00/4.00)

*Expected Dec. 2022*

- Relevant Courses: Object Oriented Design; Data Structures; Algorithms; Web Development; Database

### Purdue University, West Lafayette, IN

Ph.D. in Comparative Literature (GPA: 3.94/4.00)

*Aug. 2014 – Aug. 2020*

### Nankai University, Tianjin, China

M.A. in English Language and Literature (GPA: 3.88/4.00)

*Sept. 2011 – Jun. 2014*

B.A. in English Language and Literature (GPA: 3.94/4.00)

*Sept. 2007 – Jun. 2011*

## PROFESSIONAL EXPERIENCE

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### Graduate Research Assistant at Northeastern University, Seattle, WA

*May 2021 – present*

**Research Summary:** investigating how IDEs can better support novice programmers.

- Developed a labeling scheme for common errors made by novice programmers; analyzed and labeled over 70 code samples and identified over 40 types of errors.
- Built a Visual Studio Code extension and prototype web-based coding environment, with **JavaScript**, **TypeScript**, and **React**, that detects errors in code and provides real-time feedback.

### Graduate Teaching Assistant at Northeastern University, Seattle, WA

*Jan. 2021 – present*

- Courses: **Discrete Structures** (50 students); **Object-Oriented Design** (54 students)
- Met weekly with students to discuss course materials; assisted with lab sessions; graded student work; attended regular staff meeting to plan resource allocation.

## SELECTED PROJECTS

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### YelpCamp ([see demo](#))

*Jan. 2021 – May 2021*

- Built a full-stack responsive Yelp Clone website deployed on **Heroku** for users to upload information about their campgrounds and share comments.
- Created an interactive user interface using **HTML**, **CSS**, and **Bootstrap**.
- Maintained **MongoDB** database; established **RESTful** backend service with **Node.js** and **Express**
- Implemented authentication; enabled signed-in users to comment, create, modify, and delete posts.

### To-Do List

*Apr. 2021*

- Developed a **Java** command line to-do list application, following **Model-View-Controller** pattern, that allows users to add, modify, query, and delete their entries with data stored in a local CSV file.
- Achieved filtering and sorting by date, priority, or categories using **functional programming**.

## TECHNICAL KNOWLEDGE

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- Programming languages: Java, Python, JavaScript (ES6)/TypeScript, C
- Web development: Node.js, Express, React, HTML, CSS, Bootstrap, jQuery,
- Database management: MongoDB, SQL/MySQL
- Tools and platforms: Git, Gradle, Heroku