

# Kevin Yuan

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## SKILLS

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- **Languages:** Java, Python, C, C++, HTML, JavaScript/AJAX/JQuery, CSS, R, SQL
- **Technologies:** Django, Django REST, Git, Github, Bootstrap, RStudio, Figma, Vim, VScode

## EXPERIENCE

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- **Goodyear Tire and Rubber Company** Wooster, OH  
*Software Engineer Intern: Developer of a Non-pneumatic Tires Analysis Calculator* May 2022 - July 2022
  - Designed and implemented an automated workflow, resulting in a tire analysis tool that was twice with twice the speed and enhanced accuracy.
  - Collaborated with clients to implement a module to customize the tool's runtime analysis.
  - Independently constructed an entire unit testing suite for the tool using Pytest.
- **The College of Wooster** Wooster, OH  
*Algorithm Analysis Course Assistant* Jan 2023 - May 2023
  - Graded homework assignments, created answer keys, and led review seminars for students.

## EDUCATION

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- **Oregon State University** Corvallis, OR  
*M.S. in Computer Science; Expected Graduation: Jun. 2025* Sep. 2023 - Current
- **The College of Wooster** Wooster, OH  
*Bachelor of Arts in Computer Science* Aug. 2019 - May 2023  
*GPA: 3.99, Awards: Dean's Scholarship, Local ACS Section Award, Independent Thesis Honors*

## PROJECTS

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- **Independent Thesis [User Friendly Design: Full Stack Web Development] (Github)**
  - Engineered a comprehensive full-stack personal expense tracker web application with Django, empowering users to effectively micromanage expenses and budgets across diverse categories, subscriptions, and time frames.
  - Utilized a blend of design principles, human psychology, and adherence to GNOME interface guidelines to create a visually captivating and credible user experience.
  - Received honors recognition for the final software product and the 100+ page thesis paper.
- **2048 Game (Github)**
  - Recreated the 2048 Game from scratch using Java Swing.
- **Personal Website (Github)**
  - Constructed a responsive personal website from scratch, using vanilla html/css/js and employed Figma for brainstorming and wireframing.
- **Python chat app (GitHub)**
  - Developed a fully functional private messaging chat application using Python socket programming for client/server development and SQLite3 for database.
- **Python Anime recommender software**
  - Completed an anime recommendation software utilizing various recommendation algorithms such as collaborative filtering, content-based models, and weighted ratings.
- **Unix shell using C**
  - Implemented basic command line interpreting capabilities to execute essential Unix commands
  - Utilized Valgrind to check and prevent memory leaks in the program.