

# Zachary Collins

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## EDUCATION

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**University of Wisconsin – Madison**

*Bachelor of Letters & Sciences in Computer Science*

GPA: 3.6 / 4.0

*Minoring in Data Science and Game Design, **Expected Graduation: May 2024***

## SKILLS/INTERESTS

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**Technical:** Java, Python, C, C#, R, Javascript, Typescript, React, Angular, MVC, Razor, HTML, CSS, KnockoutJS, Git, Github, Linux, JIRA, Azure Devops, Gitlab, MIPS

**currently learning:** Agile, UX, SQL, C++, React, React-Native, Expo, Spring-boot

**Interests:** Unity, Computer building, Game development, AR, VR, Learning, New technologies

## INTERN EXPERIENCE

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- **Software Engineer** **Brady Corp** *June 2022 - present*
  - Worked in Agile/Waterfall environment, participated in product design meetings, and worked with Product owner to develop necessary features
  - Maintained and added new features to monolithic web app using razor pages/MVC/C#
  - Created and maintained frontend/backend for progressive web app using Angular/Javascript/C#

## PROGRAMMING PROJECTS

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- **Java Education Tool** **React/Java/SQL** *September 2023 - present*
  - Collaborated and set up meetings with five other students using Agile methodology to create a tool for students learning to program in Java
  - Used React frontend and Java/Spring-boot backend with a MySQL server to store user information necessary for seamless usage of the learning tool
  - Created and used documentation to help create shared knowledge for full stack development
- **Animal Shelter Database** **Java** *October 2021 - November 2021*
  - Collaborated with three other students using GIT and led meetings to develop goals for the code.
  - Used Red-Black Tree data structure to develop a database of animals to store pertinent information as well as facilitate proper care and adoption

## VOLUNTEER EXPERIENCE

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- **Chromebook repair** **Ronald Reagan HS** *September 2019 - March 2020*
  - Diagnosed issues students had with their chromebooks efficiently
  - Learned to help clients effectively and multitask to carry out numerous simultaneous tasks
- **Website Development** **Milwaukee Parkside School** *October 2018 - January 2019*
  - Created a website for children's video projects to be displayed for an elementary teacher's class
  - Consulted with a client and created website to meet the needs of teachers and students

## WORK EXPERIENCE

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- **Summerfest Crew** **Martinos** *July 2019 - July 2019*
- **Summer Lifeguard** **Milwaukee Parks** *June 2018 - September 2018*