

Ryan Braun

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SUMMARY

Junior B.S. Software Engineering student at MSOE with numerous and diverse hands-on, team-based engineering project experience. Devoting 20-25 hours per week as a member of MSOE Tennis Team. Skills in Java, JavaScript, Python, C, C++, Ruby, query languages, Git repositories, and Scrum process.

EDUCATION

B.S. Software Engineering | Milwaukee School of Engineering | GPA: 3.17 | Expected May 20XX

PROJECT EXPERIENCE

Athletic Competition Communicator Project (Team of 5)

- Researched various email sending software and eventually decided on MSMTMP.
- Creating mockup designs for application.
- Sent emails using NodeJS server and stored data using MongoDB.
- Software automatically and periodically sends emails using cron expression to MSOE faculty based on their students and time of competition.

Result: Emails are sent on recurring schedule using data from MongoDB. Project is still in development.

Image Manipulator Project

- Allows users to upload, manipulate and save images to their computer.
- Manipulating options include inverting colors, grayscale, and redscale and blurring.

Result: User can save new images to their computer that have been modified using software.

Pizza Builder Project (Team of 3)

- Created JavaFX GUI that allows users to select various toppings.
- Each topping, sauce and cheese corresponded with an image of it that has clear background.
- When creating pizza, images would get stacked on top of each other.
- Used builder software design pattern.

Result: A pizza gets displayed on GUI based on toppings user selected.

TECHNICAL SKILLS

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| ▪ Java, JavaFX, JavaScript, HTML, CSS, NodeJS, Python, Assembly, C, C++, Ruby, SQL | ▪ GitHub and GitLab | ▪ Web Application Development |
| ▪ Data Structures | ▪ Databases | ▪ Scrum Process |
| | ▪ Software Verification | ▪ Writing Software Requirements |
| | ▪ GUI Development | ▪ Interpreting Design Patterns |
| | | ▪ Parsing Data |

NCAA STUDENT ATHLETE EXPERIENCE

MSOE NCAA MEN'S TENNIS TEAM | September 20XX - Present | 20-25 hrs/wk

- 3 term daily practice and training commitment (in and out of season).
- Balance 2-hour daily practice and bi-weekly game travel with full academic schedule.
- Participated in SAAC (Student-Athlete Advisory Committee).
- Volunteered as a team van driver.

Developed teamwork, competitive character, leadership skills, and time management skills.

WORK HISTORY

Shift Runner, Delivery Driver, Insider | Marco's Pizza | June 20XX - December 20XX | 40 hrs/wk