

# Ryan Philipps

Grand Rapids, MI | (616) 337-8913 | raphilip@mtu.edu | ryan-philipps-portfolio.herokuapp.com

---

Results-oriented software engineering student with experience developing simulation software and user experience features. A team player with a positive attitude who welcomes challenging projects.

## Software skills and abilities include:

- Languages: C/C++ and Java, Python, and Ruby, Web Tech (HTML/CSS/Javascript)
- Software: Version Control Systems (Git, Subversion) and ScrumWorks Management Software
- Programming Frameworks: React, Django, and Rails
- Agile/Scrum Software Processes, Data Mining

## PROFESSIONAL EXPERIENCE

ThermoAnalytics, Calumet, MI

5/2019 – 8/2019

**Software Developer Intern**

5/2018 – 8/2018

- Developed thermal simulation software for automotive, textile, and defense industries
- Created new user experience features utilizing C++ language in a fast-paced Agile environment
- Collaborated with off-site developers, test engineers, and technical writers in software development
- Superseded customer expectations with newly incorporated program features
- Aided in gathering customer requirements, UI mockups, usability testing, acceptance test writing, and product improvement demonstration to stakeholders
- Employed ScrumWorks to communicate project progress with team members and product managers

## EDUCATION

Michigan Technological University, Houghton, MI

Expected Graduation: May 2020

**Bachelor of Science in Software Engineering**

GPA: 3.35

Relevant Coursework: Java, C/C++, Quality Assurance, Software Design Patterns:

- **SQL Database:** Learned Database design, and created an ice skating lesson website using Django
- **Software Processes & Management:** Created a wiki website using Ruby on Rails while also implementing CI with Travis-CI
- **Senior Design:** Creating a data-collection website using React.js and Grails that utilizes AWS for CI and Deployment. Working in a Scrum process

**East Grand Rapids High School**, East Grand Rapids, MI

May 2016

**Co-Curricular:** Kent Career Technical Center – Information Technology Program

### **EXTRACURRICULAR ACTIVITIES**

Michigan Tech Open Source Club, Houghton, MI

4/2016 – Present

**Co-Founder/Treasurer**

- Assists the club in securing funding for learning materials, computer kits, and Webhosting fees
- Delivers training to new members on Git/Github and programming topics
- Collaborated with Winter WonderHack campus event organizers to help participants with their projects
- Develops projects with club members:
  - TechChat: A web/mobile forum for students (<https://github.com/mtuopensource/TechChat>)

Michigan Tech Rowing Team, Houghton, MI

1/2016 –12/2019

**Team Secretary/Team Webmaster**

- Responsible for appropriately recording meetings
- Assisted in recruitment of new club members
- Created and maintained team website ([mturowingclub.com](http://mturowingclub.com))