Ryan Philipps

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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
- Programing 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-sight 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- Superseded customer expectations with newly incorporated program features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

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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)