

Thomas Ertl

110 Matthews Dr., Wentzville, MO 63385 | 636-579-8995 | tregf7@mail.missouri.edu

Skills

- Proficient in Java, C, C#/.NET, C++, HTML5, CSS, PHP, JavaScript, jQuery, SQL
- Good understanding of algorithm design
- Experience working in Windows, MacOS, MySQL, PhpMyAdmin

Education

BACHELOR OF SCIENCE | MAY 2020 | UNIVERSITY OF MISSOURI - COLUMBIA

- Major: Computer Science
- Minor: Chemistry
- Related coursework: Advanced Algorithm Design, C#/.NET Development, Intro to Web Application Development, Object Oriented Programming, Database Applications and Information Systems, Computer Organization and Assembly Language.

Experience

SOFTWARE ENGINEERING INTERN | FLIGHTSAFETY INTERNATIONAL | MAY 2019 – AUGUST 2019

- Coding primarily in C++ with small usage of Fortran
- Designed and developed tools to aid flight instructors in teaching student pilots
- Developed algorithms in C++ to facilitate the detection and precise mapping of CAD models
- Refactored old code to read and write to configuration files and performed unit testing through Visual Studio
- Worked both individually and in a team environment

RESEARCH ASSISTANT | UNIVERSITY OF MISSOURI RESEARCH REACTOR | JUNE 2016 – MARCH 2017

- Responsible for receiving archaeological samples from across the world and keeping track of projects' progress from start to finish.
- Helped determine the source of the samples through various techniques such as instrumental neutron activation analysis (**INAA**), X-ray fluorescence (**XRF**), inductively coupled plasma-mass spectrometry (**ICP-MS**), laser-ablation ICP-MS (**LA-ICP-MS**), and multi-collector ICP-MS (**MC-ICP-MS**).

Activities

- Mizzou Computing Association (MCA), Member
- MCA Game Development Special Interest Group (SIG), Member
- MCA Cybersecurity SIG, Member

Additional Resources

GitHub:// [thomas-ertl](#)

LinkedIn:// [tommy-ertl](#)

Website: thomas-ertl.github.io