Tommy Ertl

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Skills

· Proficient in C++, C, Java, Python
· Some experience in HTML5, CSS, JavaScript, C#
· Good understanding of algorithm design
· Experience working in Windows and MacOS

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:// trertl
LinkedIn:// tommy-ertl
Website: trertl.github.io