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# Paul M. Arelt

## Software Engineer

### Summary

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- Strong knowledge of programming and software development fundamentals including, but not limited to, Scrum, Agile, UML and software debugging.
- Strong knowledge in various programming languages including C++, Java, Python, Javascript, HTML and Cascading Style sheets.
- Knowledgeable in JSON and CSV data types.
- Experience working in Windows 10 and CentOS 7 Linux environments.
- Experience working with the PostgreSQL DBMS, Microsoft Access 2007 DBMS, Computer Graphics in OpenGL and various Algorithms.
- Experience working with Ogre, Unreal Engine 4 and Unity 3D graphics and game engines.
- Experience working with IDE's such as: Visual Studio, NetBeans, Code::Blocks Eclipse and PyCharm.
- Experience working with the Qt C++ Software Development Kit using Qt Creator version 5.12.

### Work Experience

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**MacAulay-Brown, Inc., an Alion Company: Software Engineer (Feb 2019 - present)**

**Address: 4021 Executive Drive, Beavercreek OH 45430**

**Duties:**

Writing and developing Qt C++, and Python, code for a GUI utilized by the United States Air Force for control of a large test system. Aiding in general purpose application vulnerability scanning using the IBM AppScan toolset to detect potential software and network vulnerabilities. Aiding in the development of a big data forensics application using tools such as Docker and Python in a CentOS 7 Linux development environment.

**CACI CMS Information Systems Inc.: Software Developer 1 (May 2017 - Feb 2019)**

**Address: 2685 Hibiscus Way, Beavercreek OH 45431**

**Duties:**

Writing and maintaining code for the United States Department of Defense in C++, Python, Javascript, HTML, CSS and Angularjs. Work was continued on a new part of an existing system utilized by the United States Navy. More work is currently being done on a new system for the same client using the same technologies and programming languages. Testing, software design, debugging and code/peer reviews also make up the job duties. Other duties include working with other software engineers and developers on various development duties from requirements to testing and everything in between.

**Insight Global: MAST Software Developer (May 2017 - December 2017)**

**Address: 2685 Hibiscus Way, Beavercreek OH 45431**

**Duties:**

Writing and maintaining code for the United States Department of Defense in C++. Work was done on a new part of an existing system utilized by the United States Navy. Other work included working closely with other software engineers and developers on various development duties from requirements to testing and everything in between.

**Kelly Services: Amazon.com Warehouse Associate (May 2016 - August 2016)**

**Address: Turfway Ridge Office Park, 7300 Turfway Rd Suite 140, Florence, KY 41042**

**Duties:**

Building Pallets using boxes of various shapes and sizes. Clearing jams from conveyor belts.

**Education**

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**Shawnee State University - Portsmouth, OH**

**Bachelor of Science, Digital Simulation and Game Engineering Technology, May 2017**

**Certifications**

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**Security+ ce, CompTIA, 2019**