Tyler Parcell — Computer Engineer

Education

University of Cincinnati CEAS — B.S. in Computer Engineering — 2017

- Summa Cum Laude: 3.96 GPA

Technical Skill

Programming Languages

- C/C++
- Python
- Java
- Android
- C# (Unity)
- MATLAB
- Arduino
- Golang
- Linux Shell

Frameworks and Tools

- OpenCL (PyOpenCL)
- Spark (Java Specifically)
- Cython and SWIG
- AWS (S3 Specifically)
- Docker/Kubernetes

Advanced Concepts

- Distributed Systems
- Machine Learning
- GPGPU Programming
- Blockchain

Experience

Software Engineer at Private Machines — 2018 - Now

Worked in the area of secure cloud computing, meaning storing objects and computing on cloud virtual machines in an encrypted fashion. This involved extensive security and server development. I've deployed large-scale critical cloud microservices in the position.

Software Developer at Kinetic Vision — 2016 - 2017

Worked primarily in the area of virtual reality, where I was able to develop software for 3D simulations and interaction with physical devices focusing on surgical simulation.

Student Researcher in High-Dimensional Data Clustering — 2016 - 2017

Worked as a Senior undergraduate with a professor on high dimensional data clustering (on distributed systems), focusing on its applications to medical data sets.

Research Engineer at Etegent Technologies Ltd. — 2015

Aided in the software development of Hyperspectral Imaging Tools as an R&D project. Performed testing and was involved in the release of commercial software.

NSF Research Experience for Undergraduates — 2014

Conducted research as a part of a team on Fuzzy Logic based PID stabilization of quadcopters, which included basic nonlinear system modeling. The Abstract was accepted /presented at DESS in 2014.

Achievements

National-Level Prepared Public Speaking — 2013

Competition I have been involved with for years (at the state level) where I developed an eight-minute speech concerning an agricultural topic. In 2013, I competed at the National Level.

National-Level Competition for Programming Project in FFA — 2014

Created a few Java programs for educational purposes for a local 4-H group and FFA Chapter and ranked first in a National-level Competition for Emerging Ag. Technology.

Portfolio: https://www.tylerparcell.com

References are available on request