

Michael Russell

Check out my website portfolio: <https://michaelrussell4.github.io/>

BS & MS
Computer Science

Michael Russell
4628 S. 3900 W.
Roy, Utah 84067
385.216.5635
michael.russell.ut@gmail.com

Knowledge & Skills

- Competent and experienced in the following subjects:
 - Object-oriented, recursive, and parallel programming
 - Machine Learning and Artificial Intelligence
 - Compiler design and architecture
 - Data science
 - Natural Language Processing
 - Graph theory and advanced algorithms for such
 - Mathematics in statistics, calculus, and linear algebra
 - **Programming Languages:** C, C++, C#, Java, C, JavaScript, Python, SQL, VBA
 - **Other Languages and Services:** HTML, CSS, Node.js, Blender 3D, Git, .NET, ASP.NET, AWS, FTP, SMNP, NTLK, WordNet, Pandas, Jupyter, Matplotlib, Anaconda, Numpy, Sk-learn
 - **Design:** Professional experience designing aesthetic UI for web and mobile applications using mockups, graphics, and prototypes.
 - **Versatility:** Involvement in various classes, clubs, organizations, and activities has made me well-rounded and very competent.
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Education

Weber State University Associate's in Applied Science

DEC 2017, Ogden, UT

Weber State University Associate's in General Studies

DEC 2017, Ogden, UT

Weber State University Bachelor's in Computer Science

APR 2019, Ogden, UT

Weber State University Master's in Computer Science

Projected Graduation Date: Fall 2021, Ogden UT

Professional Experience

Hill Air Force Base/ Computer Scientist

APRIL 2019 - current, Clearfield, UT

Worked as Designer, Software Engineer, and Developer for the Central Display Unit as a member of the CAPRE team. I used .NET framework and custom libraries to write GUI interface programs that load data from a laptop to a Logical Reprogrammable Unit on the F-16 aircraft. My operations utilized a custom implementation of the .NET FTP library. My programs entailed testing, loading, and custom file management operations, Languages/technologies used: C#, Visual Studio, Virtual Workstation, .NET

Hill Air Force Base/ Computer Science Intern

JULY 2018 - APRIL 2019, Clearfield, UT

Worked as a member of a scrum team doing web development and other projects involving 3D design and mobile app development. Personally designed 2 websites and worked with a team developing them. Solved design and website function issues. Also simplified a project's efficiency by implementing a JSON database within the site. Languages/technologies used: C++, HTML, CSS, JavaScript, PHP, Python, Github

BlossomTree Software (internship)/ Mobile App Development

APR 2018 - JULY 2018, Ogden, UT

Worked with a small team developing a mobile app from the ground-up; e.g., brainstormed app ideas, created flow charts, mockups, SRS documentation, and began back-end development on app, including setting up database through AWS and integrating with app. Also spent time doing minor web development.

Languages/technologies used: HTML, CSS, JavaScript, Java (Android Studio), Github

Computational Structures/ Teacher's Assistant

JAN 2018 - APR 2018, Weber State University, Ogden, UT

I graded assignments for Professor Rague. Assignments were written in Java. This class focused on logical, mathematical structures and systems including formal languages, matrices, state machines, etc.

Languages/technologies used: Java 8, JGrasp

Awards, Extracurricular Activities, & Service

Awards: Eagle Scout Award, Comcast Leaders and Achievers Award, Presidential Service Award (2009, 2010, 2011, 2012)

Extracurricular Activities: Regional Ethics Bowl Tournament (2016); WSU Jazz Band Ensemble (2016, 2017); WSU Chess Club (2016); WSU Philosophy Club (2016)

Service: Presidential Service Award (2009, 2010, 2011); West Point City Youth Council: Head Chairman (2009), President (2010, 2011, 2012); Performing at Benefits Concert (2015), Black Scholars Dinner (2018), Jazz at the Station (2018), and various other events