

Christian Carrico

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EDUCATION

Colorado State University — Fort Collins, CO

Bachelor of Science, Computer Engineering

Aug. 2012 - Dec. 2017

Bachelor of Science, Mathematics with a concentration in Information Theory

Aug. 2015 - Dec. 2017

TECHNICAL SKILLS

Programming:	Python Java	C +	JavaScript C#	SQL	LaTeX Julia
Development Tools:	Agile Git	OpenMP MPI	ASP.NET JQuery	NumPy & SciPy Pandas	Jupyter Notebooks

EXPERIENCE

AMRDEC: Athena Lab — Colorado Springs, CO

Computer Engineer

Apr. 2018 - Present

- Maintained an active Secret Security Clearance: 2014 - present
- Managed development efforts as the government lead on lab projects by coordinating contractor and government activities
- Improved lab project development by capturing customer requirements into JIRA to organize sprints for new project features
- Evaluated small business proposals for technical merit on behalf of the MDA to improve the Modeling and Simulation Big Data effort
- Engaged with Small Businesses to monitor contract progression, answer technical questions, and steer the contract in a direction that benefits the MDA
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CSU Accelerator Research Lab — Fort Collins, CO

Engineering Intern

Aug. 2012 - Aug. 2014

- Modeled custom components in SolidWorks to be used in conjunction with the LINAC magnets and RF cavities
- Worked closely with graduate students and professors to document and test capabilities of lab equipment

Electrical & Computer Engineering College — Fort Collins, CO

Student Ambassador

Aug. 2012 - Aug. 2014

- Lead ECE department activities as an example of the department's students to educate and encourage potential freshman

PROJECTS

Classified Data ETL Tool: Python application to extract data from unstructured and structured sources.

Modeling & Simulation Data Warehouse Architecture Design: Systematic trade study on different big data tools and solutions to design a warehouse for data produced by simulations

COCOM Workflow Assistance Tool: Web application used by Warfighters to organize the COCOM's tasking, scheduling, and inventory.

Snowflake Classification Project: Python neural network implementation used to classify a large database of snowflakes.

C++ Number Factorization Project: A C++ personal project used to explore and implement the Quadratic Sieve, a complicated algorithm for factoring large pseudoprimes