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	C++	Julia
Web Development:	C#	JavaScript	SQL	jQuery	HTML & CSS
Additional:	Git	JIRA	OpenMP	MPI	Jupyter Notebooks

Projects

Operations Data ETL Tool
- Spearheaded the development of an ETL application to extract data from structured and unstructured sources for critical Warfighter operations report
- Utilized the Agile methodology to make iterative improvements to the tool's front and backend functionality

COCOM Workflow Web Application
- Supervised development on .NET application used by Warfighters to manage critical operations such as scheduling, day-to-day tasking, and inventory
- Developed frontend and backend tasks to incorporate email notifiations and Service Desk Pro like tasking into the application
- Improved application code quality by refactoring web controller functions and standardizing web views

Data Warehouse Design Study
- Investigated a systematic trade study to design a data warehouse for Missile Defense Agency M&S efforts
- Volunteered for MapR Admin training, and prepared a development enviroment for a local MapR install
- Explored applications of various ETL and stream processing tools, such as Apache Storm

Snowflake Classification Project
- Designed a classification technique for a CSU research group using machine learning techniques to classify snowflake images
- Improved the research group's classification rate by 15% using a combination of convolutional and typical neural networks

Experience

AMRDEC: Athena Lab — Colorado Springs, CO

Computer Engineer — *Apr. 2018 - Present*
- Maintained an active Secret level security clearance: 2014 - present
- Drove development of several lab projects as the government lead by coordinating contractor and government efforts
- Focused project deliveries by capturing customer requirements into JIRA and organizing sprints for new project features
- Evaluated small business proposals for technical merit on behalf of the Missile Defense Agency
- Engaged with small businesses as a Contract Office Representative to monitor progress and provide technical guidance on contract requirements
- Mentored student interns by identifying noncritical tasks that contribute to the mission and individual growth

CSU Linear Accelerator Research Lab — Fort Collins, CO

Engineering Intern — *July 2012 - May 2013*
- Developed a website to represent the Accelerator Lab's research to the public
- Gathered materials for the lab's public image by interviewing professors and graduate student teams

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