Michael Remington

michael.remington1@gmail.com
Seattle, WA

Experience

Software Engineer — September 2016 - Present
Chiral Software, Los Angeles, CA (Remote via Seattle, WA)
- Created portable real-time machine learning vision systems for Lockheed Martin.
- Created machine learning systems for a project that won funding from the US Defense Advanced Research Projects Agency (DARPA).
- Designed and developed all machine learning at the company.
- Built a threaded server that allows remote control of a machine learning system via HTTP requests from a web UI.
- Created a web server that streams real-time video output from a machine learning vision system.
- Built custom tools for data set generation, formatting, and pre-processing.
- Presented a live demo at the ISDEF international defense and security expo in Israel.

Undergraduate Researcher — September 2015 - July 2016
Hutchinson Machine Learning Research Lab, Western Washington University, Bellingham, WA
- Designed and implemented custom deep and recurrent neural network architectures to model sports data.
- Built a data-processing pipeline that interfaces with a database and normalizes or embeds features appropriately.
- Created a custom model with convolutional, LSTM, and deep neural network layers.
- Wrote code to parse and format datasets into SQL databases.
- Visualized and presented statistical discoveries.
- Created a custom LSTM cell state initialization solution to better model individual teams.

Research Lab Assistant — July 2013 - September 2014
Rose Neuroscience Lab, Western Washington University, Bellingham, WA
- Wrote a program in Java to automate a common microscope imaging task. This reduced task time from around forty minutes to near instantaneous.

Intern — Summer 2012
Mobius Science Center, Spokane, WA
- Set up a system for recording and interpreting data visually and statistically from visitor surveys.
- Authored an eighty-page booklet detailing the scientific concepts behind each exhibit.
- Created and updated graphic design for public documents.

Education

Bachelor of Science, Computer Science
Western Washington University, Bellingham, WA, June 2016

Skills

Programming Languages: Python, Java, C, SQL, HTML.
Tools: Git, Subversion, Bash, Linux, TensorFlow, Flask, Bootstrap, Darknet, Neural Networks, Scrum, Kanban, Agile.