RAYMOND HOGENSON

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EDUCATION

Carnegie Mellon University, Pittsburgh PA *May 2019*
Mathematics & Computer Science

Dean's List—Fall 2015, Spring 2016, Fall 2016
Cumulative QPA: 3.87

EXPERIENCE

Alaska Satellite Facility Summer 2015, 2016
Software Engineering Intern *Fairbanks, AK*

· A government-affiliated organization with the purpose of making remote sensing data available to scientists and other professionals
· Worked on a team of 4 interns to develop the hyp3 system for managing incoming satellite data
· Developed the front-end for this system using Django as well as the interfacing with AWS tools such as Lambda, EC2, and s3
· Co-authored a presentation at AGU about this product
· Processing over 60 gigabytes of incoming data per day

Fairbanks Youth Orchestras 2011-Present
Webmaster *Fairbanks, AK*

· Developed and maintained a system for online registration of over 100 individuals in the group
· Currently maintaining this website

TECHNICAL SKILLS

Computer Languages	Haskell, Python, C, C++, Standard ML, Common Lisp, Bash, m4, Javascript, Java, LaTeX, and a little bit of MATLAB
Infrastructure	AWS tools, Django, Numpy, OpenCV
Tools	Microsoft Excel, Inkscape, Mathematica, Git
Other Skills	Basic networking and system security, extensive experience with the GNU/Linux ecosystem

PROJECTS

CMU Quantathon 2017

· 1st place
· Collaborated with 2 other undergraduates in proving the optimal strategy for a probability-based game
· Constructed the presentation using Beamer and Inkscape

HackCMU 2015

· eBay machine learning award
· Created an application to recognize a chess board from an image using OpenCV and an original algorithm, achieving over 90% accuracy in piece identification
· Programmed the back-end of the application in Java