

CHRISTOPHER MCKENNA

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Portfolio: czmckenna.github.io

WORK EXPERIENCE

HubSpot, Cambridge, MA

Software Engineer
May 2018 –

HubSpot, Cambridge, MA

Software Engineering Co-op
July 2017 – December 2017

Developed and maintained backend systems in Java to add to the functionality of HubSpot's CRM. These systems were primarily Dropwizard microservices, Kafka workers, and Hadoop pipelines.

FirstFuel Software, Lexington, MA

Energy Analyst Co-op
July 2016 – December 2016

Developed a web application used by energy engineers to make detailed predictions and visualizations of the energy savings potential in commercial buildings.

- Backend: Python (Flask, numpy, pandas), Linux, Apache/mod_wsgi, Amazon S3
- Frontend: HTML, CSS (Bootstrap), JavaScript (jQuery, Highcharts)

Held meetings to propose and present new models for predicting savings, brainstormed with energy engineers to tinker new/existing models, and codified these models into the Python engine that powers savings calculations.

Developed an interactive data visualization dashboard that shows live customer usage statistics.

PROGRAMMING SKILLS

Professional experience with Java, Python, HTML, CSS, JavaScript
Independent experience with C, MATLAB, iOS programming in Swift

EDUCATION

Northeastern University, Boston, MA

September 2014 – April 2018

GPA: 3.98

Bachelor of Science in Chemical Engineering; Minor in Computer Science

PERSONAL PROJECT

AVIS Website, Website Created for the Andover Village Improvement Society

<https://github.com/avisandover/avis-website>

<http://avisandover.org>

Static, responsive website created for AVIS, a 501(c)(3) non-profit in Andover, MA dedicated to land conservation.