

Thomas Gaetan Molinari

201-887-3689 tom.molinari12@gmail.com

EDUCATION

University of Pittsburgh, Pittsburgh, PA

April 2015

Swanson School of Engineering

- Bachelor of Science, Major: Computer Engineering

Dietrich School of Arts and Sciences

- Bachelor of Arts, Major: History

QPA: 3.15

SKILLS

Programming Languages: Python, Java, SQL, Perl, C, MATLAB

Academic Experiences: Machine Learning, Natural Language Processing, Secure Data Management

PROJECTS

Smart Home HVAC

Jan 2015 - Present

- Design project comprised of a central hub and sensor bundles that collect data across several rooms in a household and utilize that data to optimally control the heating/cooling of the space.
- Primary involvement was the design and development of machine learning algorithms that learn user schedule and defining control algorithms for the system.

Large Scale User Classification Engine

June 2014 - Aug 2014

- Designed and deployed a machine learning classification solution to be used to classify out of network users within a predefined network space.

EXPERIENCE

Machine Learning Intern, Graphika, New York City

June 2014 - Sept 2014

- Developed meaningful improvement to core internal technologies and customer specific solutions. Tasked with enhancing internal automatic labeling techniques, projecting expansion of network scope, and defining and developing customer specific machine learning systems.
- Additionally enrolled in capacity as a data analyst to interpret and produce first pass customer deliverables

March 2014

INNOVATE, Beijing, Shanghai, Suzhou (China)

- Held meetings with key business, academic leaders, and other students
- Professional site visits to many leading multi-national companies and universities
- Gave presentations to international students about technological advances made in China, Chinese business ideologies, and Chinese culture

FAME Program, Cergy-Pointoise, France

Feb 2013 - June 2013

- Attended courses in computer science and French culture at École Nationale Supérieure de l'Électronique et de ses Applications

AWARDS

Randall Family Big Idea Competition 2015 – 3rd place prize

Swanson Senior Design Expo – 2nd place in ECE Department