

Hayley Allard-Raucci

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Education

University of Connecticut

Storrs, CT

BACHELOR OF SCIENCE IN ENGINEERING

August 2015 – May 2019

Major: Computer Science and Engineering

Minor: Mathematics

GPA: 3.22

Awards: Dean's List, Spring 2016

Engineering Experience

POWWR

Sandy Hook, CT

UConn SENIOR DESIGN PROJECT: ENERGY LOAD FORECASTING

September 2018 – Present

- Use of machine learning to develop forecast models to incorporate human behavior and weather anomalies.
- Investigate and develop a 7-10 day “top down” forecast model based on recent hourly usage data and weather data.

DATA ENGINEER INTERN

December 2018 – January 2019

- Created a macro in VBA to automate data clean up.
- Dynamic programming in SQL for data anomaly detection.
- Worked on assigned Jira tickets in active sprints.
- Attended daily scrum meetings.

ISO New England

Holyoke, MA

OPERATION PERFORMANCE, INTEGRATION & TRAINING INTERN

August 2018 – Present

- Works on Fuel and Emissions database by modifying existing tool in VBA to automate survey responses.
- Debug and create views in SQL.
- Implement automation of a bar chart graph and tables via code for weekly fuel and emissions report.
- Create new database with user functionality to create, save, edit, and load existing data for projects.
- Gather, analyze, and present data for the run time of various market system engines.

IT DAY-AHEAD SUPPORT INTERN

June 2018 – August 2018

- Worked closely on Solar PV project by developing Java and Python programs.
- Documented and tested Python programs.
- Designed an entity relationship diagram and created views in SQL for the Postgres database.
- Attended daily meetings, reviewed sprints in scrum board and discussed business requirements.

University of Connecticut

Storrs, CT

SAIT CLIENT SUPPORT

April 2018 – August 2018

- Resolved tickets containing issues created by university students, faculty and staff using the RT ticket system.
- Assisted faculty and staff over the phone with password resets for university accounts and software related issues.
- Reformatted university computers that either needs to be updated or facing software issues.
- Helped install printers around campus for different departments of UConn.

ITS SUPPORT SPECIALIST

April 2017 – April 2018

- Assisted clients with troubleshooting UConn account issues over the phone and via email.
- Diagnosed and remediated basic to advanced computer software issues over the phone, via email, and one on one.
- Identified and escalated any complex issues to the correct department within ITS.

Skills

Programming Languages Java, Python, VBA, SQL, MySQL, HTML/CSS, JavaScript, C

Misc. Microsoft Office, Microsoft Access, Microsoft SQL Server, Google Cloud Platform, Jira