

# HERTA CALVO-FAUGIER

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## EDUCATION

### RENSSELAER POLYTECHNIC INSTITUTE

#### B.S. in Computer Science and Psychological Science

Graduation date: May 2020 | Cumulative GPA: 3.6/4.0

#### Awards and Honors

- Dean's Honor List: Fall 2016 - Spring 2019
- Founders Award of Excellence: Received 2018

## WORK EXPERIENCE

### UNITEDHEALTH GROUP | Technology Development Program Intern

June 2019 - August 2019 | Boston, MA

- Performed data wrangling to clean cybersecurity data originating from various third-party services, integrating the information into a centralized source to be used by analysts and internal tools. Technologies used: Kibana, python Spark API.
- Helped execute and oversee the migration of 150TB of cybersecurity data from the corporate security data big lake to a new, more robust, data lake. Technologies used: Hadoop, HDFS, Bash scripts.
- Developed a python script that validated the data transfer by identifying discrepancies in file paths between the data lakes. The results of this script helped team members identify and troubleshoot migration and workflow errors.
- Developed a lightweight API and chatbot for interacting with Individual Health Records (IHR) as part of a team competing in the corporate hackathon. Selected to represent the Boston office to at the national level.

### INTEL CORPORATION | Sytem-on-Chip Validation Engineering Intern

May 2018 - August 2018 | Fort Collins, CO

- Developed a Test Verification Workflow and testing software to help Hardware Validation Engineers ensure that their high-level coverage tests are conducting validation as expected.
- Prepared documentation and product for a future release to other hardware validation teams within the organization.
- Developed a C++ program to generate reports highlighting items that were not extensively tested by the validation software. Technologies used: Synopsys Unified Coverage API, Synopsis VCS Coverage Database, Boost C++ libraries.
- Developed Perl scripts to wrap each step in the workflow, so users could run the workflow in stages or as a single process.

## SKILLS

- Back-end: Python, R, Perl, C++, Java
- Front-end: Node, AngularJS, Express
- Data Science: Apache Spark, Hadoop, Elastic Stack
- Databases: PostgreSQL, MongoDB
- UX: Adobe XD, Adobe Photoshop
- Version control: Git, GitHub, SVN

## RELEVANT COURSEWORK

- Database Systems ..... Fall 2018
- User Experience Design ..... Fall 2018
- Software Design & Documentation .... Spring 2019
- Operating Systems ..... Spring 2019
- Math. Methods in Psych. Science ..... Spring 2019
- Distributed Systems ..... Fall 2019

## LEADERSHIP

### UPSILON PI EPSILON | President, former Alumni Relations Chair

April 2018 - current | Rensselaer Polytechnic Institute

- President for the 2019-20 academic year, Alumni Relations Chair for the 2018-19 academic year, inducted April 2018.
- Developed and implemented a formal onboarding process for incoming committee chairs, improving clarity regarding responsibilities & expectations, ensuring appropriate credentials are granted, and establishing communication protocols.
- Designed posters for chapter events and managed event marketing through social media and institute mailing lists.
- Developed an initiative to improve alumni engagement with the chapter, including a comprehensive survey for graduating members and a new alumni mailing list.

### ACM-W - WOMEN IN COMPUTING | Senior Advisor, former Treasurer

September 2016 - current | Rensselaer Polytechnic Institute

- Senior advisor to executive board for the 2019-20 academic year, Treasurer for the 2017-18 and 2018-19 academic years.
- Managed chapter finances, including handling corporate sponsorships, event budgeting and reimbursements.
- Worked with executive board and corporate partners to plan professional development events for chapter members.
- Collaborated with various student organizations to coordinate philanthropy and volunteering events involving our chapter.