

# HERTA CALVO-FAUGIER

herta.calvo@gmail.com | calvoh@rpi.edu | (619) 551-1776  
Portfolio: hertacalvo.github.io | LinkedIn: linkedin.com/in/hcalvofa

## EDUCATION

### RENSSELAER POLYTECHNIC INSTITUTE

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

Expected graduation: May 2020 | Cumulative GPA: 3.61/4.0

#### Awards and Honors

- Dean's List: Fall '16, Spring '17, Fall '17, Spring '18
- Founders Award of Excellence: Received 2018

## WORK EXPERIENCE

### INTEL CORPORATION | SoC Validation Engineer (Intern)

May-Aug '18 | Fort Collins, CO

- Designing and developing a SoC Test Verification Workflow, which ensures that SoC-level coverage tests are actually evaluating the items that they are intended to exercise.
- Presenting and distributing workflow to the entire SoC Validation team for the processor, consisting of over 50 engineers and managers, as well as preparing documentation and materials for a future release to all the SoC validation teams.
- Developing a C++ program that used the Synopsys Unified Coverage API to work directly with central coverage database (VDB) files to generate customized reports to identify and record rare coverage items and the tests that exercise them, as well as any existing coverage gaps.
- Designing and developing the workflow in a modular approach, with wrappers for each step implemented as perl and bash scripts, enabling users to run the program in stages or as one integrated process.

### RENSSELAER POLYTECHNIC INSTITUTE | Instructional Technology Assistant

Jun '17-May '18 | Office of Undergraduate Education, Troy, NY

- Leading a user management project on the Institute course review and tracking platform, merging partial data from multiple sources to identify which users should be granted access to the system, and which users should be removed.
- Reducing the amount of users in the course tracking platform by over 50% due to the above project, reducing in monetary savings for the department given that the platform is billed on a per-user basis.
- Managing, updating and writing content for multiple webpages under the Office of Undergraduate Education site and designing multiple large-scale posters and signs for the department, following the institutional branding guidelines.

## LEADERSHIP & EXTRACURRICULARS

### ACM-W | Treasurer

#### Association of Computing Machinery - Women

Managing finances, organizing logistics of hosting multiple professional development events and developing guidelines on branding and executive board member roles.

### UPE | Alumni Relations Chair

#### Upsilon Pi Epsilon, Computer Science Honor Society

Create promotional material and manage promotion for events, manage chapter social media platforms and create a periodic newsletter for alumni to keep updated on chapter events.

## SKILLS

- Object-oriented programming: C++, Java
- Scripting: Python, Perl
- Version control: Git, Github
- Web: HTML, CSS, Content Management
- Design: Adobe Photoshop, Adobe XD
- Marketing: Copy writing and institutional design

## RELEVANT COURSEWORK

- Data Structures ..... Spring 2017
- Introduction to Algorithms ..... Spring 2018
- Database Systems ..... Fall 2018
- User Experience Design ..... Fall 2018
- Software Design & Documentation .... Spring 2019
- Operating Systems ..... Spring 2019

## RESEARCH

### C-STEM RESEARCH GROUP | Research Assistant

Mar '17-May '18 | Rensselaer Polytechnic Institute, Troy, NY

- Leading the development of a lesson plan and accompanying Culturally Situated Design Tools(CSTDs), block-based programming applications, that showcased mathematical and computational concepts at a middle-school level through simulations of Latin American beadwork and weaving.
- Developing Spanish and English language written content for the lesson plan by researching the cultural background of weaving and beadwork across multiple different indigenous cultures in Latin America, ensuring appropriate representation by interviewing and corresponding with both academics and artisans in South America.
- Facilitating workshops and consultations with K-12 educators and administrators from multiple private and public institutions at the "Math In The Real World" conference held on March 1st and 2nd, 2018, in Quito, Ecuador.