

# Haley Anderson



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## EDUCATION

Chapman University, Orange, CA  
**Spring 2020**

**B.S. Computer Science**

**Minor in Data Analytics &**

**University Honors Program**

GPA: 3.7, Recipient of Provost

List Recognition every semester

## HONORS & AWARDS

- Grace Hopper Conference 2018 Scholarship Recipient
- Presidential Scholar at Chapman University
- Member of Gamma Beta Phi, recognizes top 20% of class
- Member of National Society of Collegiate Scholars
- Member of National Society of Leadership and Success

## PROJECTS

### "Add Some Salt"

- Attended TwitchconHacks 2017 with teammates
- Built front end of an extension that uses facial recognition to register emotions and provides relevant emote overlay
- Used Javascript and HTML

## COMPUTATIONAL COURSEWORK

**C++:** Used to implement coursework and projects focused on creating and using data structures and algorithms; applied knowledge of C++ through work with Siemens PLM

**Java:** Experience in object-oriented development and recursion over a three-year period

**Python:** File reading and writing, algorithm development, control structures, object-oriented programming

**HTML & CSS:** Created a personal website showcasing resume using HTML & CSS knowledge

## COMPUTATIONAL EXPERIENCE

**Siemens Product Lifecycle Management Software,**  
*2018 Co-op Student* **5/2018 – Present**

- Developed C++ code to improve runtime efficiency in flagship product, NX
- Created a program to bridge NX with an open source platform and improve user facing capabilities
- Worked with a team to improve the NX environment for users through biweekly software package updates

**Machine Learning and Assistive Technology Lab,**  
*Undergraduate Research Assistant* **8/2016 – Present**

An on campus research lab run by the head of the computer science department

- Assisted paper relating to software deep learning utilizing data on IntelliSense code completion capture information on source code (ICMSR)
- Wrote paper using still images from a video tutorial that contain code and taught a computer to classify the language of the code (ICPC)
- Published paper & poster dealing with topic modeling of the R programming language and its common uses (ISCE)
- Working on paper relating topic modeling from children's essays to mental health data as adults

## LEADERSHIP EXPERIENCE

**Pi Beta Phi Fraternity for Women,**  
*Vice President of Member Development* **1/2018 – Present**

Organize the academic plan for the chapter and wellness workshop series. Coordinate and lead weekly chapter meetings.

**Love Your Melon,**  
*Vice President of Public Relations* **8/2017 – Present**

Worked on leadership skills through planning and leading meetings

