

# DESMOND H. VEHAR

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## WORK EXPERIENCE

### Software Engineer II – Engineering Associates Program

October 2016 – Present

Yahoo – Yahoo Sports Backend Team

- Implemented new pushed based (Comet) data flows for the Yahoo Sport's real-time backend system. This allows several major Sports pages to update in real-time (faster than TV!).
- Developed a system to programmatically generate interesting facts about games using a Production Rule Engine.

### Software Engineer II

February 2016 – October 2016

Yahoo – Brightroll DSP UI Team

- Implemented a new application architecture that uses the “lightning” deployment pattern. This allowed for any version of the application to be served from any environment (even PR builds) while also dramatically reducing deployment times.
- Implemented many features for the new Audience Builder, a core part of the product.
- Led the development and integration of best practices while serving as the Brightroll DSP UI Team Lead.

### Software Engineer I

March 2015 – February 2016

Yahoo – Yahoo Web Analytics Backend Team

- Engineered solutions in C++, C, Python, and Bash for distributed Web Analytics Backend Systems.
- Reduced build time and tech debt by upgrading all of our builds to the newest version of the build platform.

### Software Engineering Internship

June 2014 – September 2014

United States Federal Government (Intelligence Community)

- Designed, implemented, and tested C++ applications within a proprietary framework to improve the data flow of the organization. Data latency, operational costs, and security risks were reduced as a result of my work.

### Undergraduate Research Assistant

June 2013 – September 2014

UC Santa Cruz – Expressive Intelligence Studio

- Implement several projects focused on game design and programming languages under the guidance of a PhD student.

### Software Engineering Internship

June 2013 – September 2013

The Boeing Company: Space & Intelligence Systems

El Segundo, CA

- Designed, implemented, and tested features in C using shared memory, TCP/IP, and pthreads for a Dynamic Satellite Simulator.

## PROJECTS

### Amazon Price Per Unit – Chrome Extension

July 2017

- Used jQuery to show the price per unit (ounce, pound, etc.) natively for Amazon items where it is not already shown allowing users to better compare the value of items.

### Robinhood – Amazon Alexa Skill

June 2017

- Created skill that uses the Robinhood APIs to allow Robinhood users to receive account updates.

### Motivate Me – Amazon Alexa Skill

December 2016

- Built a system to aggregate quotes from various sources and fetch images from the Flickr API, and a skill to surface them.

### Snow Image

December 2014

- Developed a web application that continuously renders an image in various interesting ways, using HTML5 canvas, probabilistically based on its darkness.

### Google's Android Camp

July 2012

- Worked with a team to create a virtual bulletin board app that would improve the publicity of campus events.

## AWARDS

### Yahoo Excellence Award

March 2017

- This award was given to the top 10% highest performing employees in the company for 2016 - 2017.

### 1<sup>st</sup> Place Brightroll DSP Bug Hunt

July 2016

- I found, documented, and fixed the most bugs in my organization's systems during a week long bug hunt.

## LANGUAGES, SOFTWARE, AND OS

Java, Node.js, JavaScript, Ember, Bash, C, C++, GDB, Git, CI/CD, IntelliJ, Docker, Kubernetes, Heroku, Linux, and more.

## PROFESSIONAL ORGANIZATIONS AND CLUBS

- Co-Chair (2015/6) – Yahoo's Black Employee Resource Group
- President (2013/4), Vice-President (2012/3), Senator (2012) – National Society of Black Engineers

## EDUCATION

University of California, Santa Cruz

Graduated December 2014

B.S. Computer Science – 3.61 GPA (Cum Laude)