

# JeremyHu

</> <https://jrmhg6.github.io/>

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in [Jeremy Hu](#)

## Education

University of Maryland **B.Sc : Computer Science, B.Sc Economics**

2015-2019

- Software Design | Algorithms and Data Structures | Machine Learning

## Skills

**Languages:** Javascript | Java | HTML/CSS | Python | C

**Technologies:** Git | Bootstrap | Spring | DeepLearning4Java | Maven | Node.js | Angular

## Professional Experience

Software Development Intern **BeamIO**

Summer 2017

- Developed several new front-end data visualization tools using [Leaflet.js](#) and related plugins
- Created a wind visualization tool and a drone video overlay in the GIS map platform
- Used [Deep-Learning4Java](#) to configure and train a ResNet50 convolutional neural net for image recognition on satellite imagery.
- Pulled in plugins and tools into a front end [Angular](#) format for use with the software.
- Worked in an [Agile Environment](#) with software developers and scientists.
- Active on JIRA boards and weekly scrums to collaborate with developers on stories

Research Assistant **Maryland Cybersecurity Center**

January-May 2017

- Responsible for writing [Python](#) web-scrappers for analysis of demographics data
- Transcribed interviews with white-hat hackers and software testers.
- Collaborated with graduate students and professor in writing the final paper

High School Student Intern **Weizmann Institute, Rehovot, Israel**

Summer 2015

- Development of [machine learning](#) program in Matlab to recognize images of handwritten numbers.

High School Intern **National Institute of Standards and Technology**

Summer 2014

- Worked in Physical Measurements Lab with a research chemist on a [color science](#) project.
- Delivered a poster presentation on finding a transformation matrix to map two sets of photos onto each other.

## Projects

Yelp5 **Capital One Coding Summit Challenge 2017**

- Restaurant suggestion app created using Yelp Fusion API with [Express.js](#) and Heroku

Spring Human Resources App **Personal Project 2016**

- A [full-stack](#) human resources CRUD web application using Java, Spring (Boot, Core, MVC, Data/JPA), Javascript, JQuery, and Maven. Configured with the help of a senior developer.
- Also refactored as JSON [REST API](#), based on the same technology stack.

## Volunteering and Activities

UMD Tzu Ching **Student Volunteer**

Fall 2015 - Current

- Volunteer at DC parks and shelters to provide food and clothing to homeless citizens.