

JeremyHu

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🌐 [Jeremy Hu](#)

Education

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

2015-2019

- Software Design | Machine Learning | Algorithms

Skills

Languages: Fluency: Java | JavaScript | HTML5/CSS | **Proficiency:** Python | C | PHP

Technologies: Git | Angular | DeepLearning4Java | ReactJS | Node.js | Spring | Matlab

Professional Experience

Software Engineering Intern **Adobe Systems Inc.**

May-August 2018

- Implemented and designed UI of new customer-facing data insights product using **React**
- Responsible for integration of UI with internal APIs and Machine Learning models
- Front end data processing and visualization.

Research Assistant **UMD CS Department (Machine Learning Group)**

January-May 2018

- Rewrote Matlab tensor decomposition functions into **Python** scripts to streamline testing

Software Development Intern **BeamIO**

Summer 2017

- Using **Java** and open-source **JavaScript** libraries, developed front-end data visualization tools.
- Created a vector visualization tool and a drone video overlay in the GIS map platform
- Used **Deep-Learning4Java** to configure and transfer train a **Deep Learning** model on satellite imagery. Recognition accuracy of 88% for 22 classes of images on user-facing map platform.
- Worked in an **Agile Environment** with software developers and scientists.

Research Assistant **Maryland Cybersecurity Center**

January-May 2017

- Wrote **Python** web-scrappers for gathering and analysis of demographics data
- Collaborated with graduate students and professor in writing paper (*featured at 2018 IEEE Security Symposium*)

Selected Projects

Free-Lance Web Dev. **Envision**

July 2018 (Ongoing)

- Front end implementation of project-tracking web application with **React**.
- Backend maintenance and modifications of Django REST API.

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**

- **Java** HR CRUD web application using **full-stack**, 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.