Jeremy Hu

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Education

University of Maryland   **B.Sc : Computer Science, B.Sc Economics**   2015-2019
- Software Design | Algorithms

Skills

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

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

Professional Experience

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 ResNet50 convolutional neural net 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.
- 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-scrapers for analysis of demographics data
- 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 trained on images of 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**
- **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 Activites

UMD Tzu Ching   **Student Volunteer**   Fall 2015 - Current
- Volunteer at DC parks and shelters to provide food and clothing to homeless citizens.

UMD Club Basketball   **Member**   Current