






Jing (Jennie) Tu

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Summary

- ✧ Current UW master student with full stack and web development related internship experiences in startup.
- ✧ Professional experiences with various project, especially in the field of backend and frontend.
- ✧ Familiar with different programming languages and development tools, self-motivated and hard-working.

Education

M.S. in Material Engineering & Data Scientist Program, University of Washington (UW) Sep. 2017 - Present, Seattle

- ✧ GPA: 3.7/4.0
- ✧ Coursework Highlights: Client-Side Development, Server-Side Development, Machine Learning, Algorithms and Data Structure, Computer Programming I & II

B.S. in Material Engineering, Anhui University of Technology (AHUT) Sep. 2013 - Jun. 2017, China

- ✧ Major GPA: 3.90/4.0, Ranking: 8/175, Outstanding Student Cadres (4/175)

Skills

- ✧ **Interests:** Web development, Client-side and Server-side programming, Machine Learning
- ✧ **Languages:** Java, JavaScript, Python, PHP, HTML/CSS
- ✧ **Tools:** React, Git, SQL, Firebase, ExpressJS, MongoDB, NodeJS

Internships

Full Stack Engineer Part-Time Intern @ Green Guide Inc. Jan. 2019 – Mar. 2019, Seattle

- ✧ Develop and create whole new website for people in China to report company environment reviews on a map.
- ✧ (Tech: HTML, JavaScript, jQuery, CSS, Map API, PHP, MySQL)

Backend Developer Part-Time Intern @ Dapper Grooming Inc. Jan. 2019 - Mar. 2019, Seattle

- ✧ Implement back-end service and APIs using ExpressJS and MongoDB
- ✧ Creating useful endpoints for getting and posting data

Software Engineer Full-Time Intern @ BlockTerms Inc. Jun. 2018 - Oct. 2018, Seattle

- ✧ Developed blockchain web using HTML, CSS, JavaScript (Vue.js), Bootstrap & Bulma CSS Framework.
- ✧ Built responsive and friendly user interface (compatible with computers, tablets and mobile phones).
- ✧ Designed and implemented API for sign up, login system using Laravel
- ✧ Played with Docker & Google Cloud Datastore needed for the project.

Projects

Fashion Advisor – search for events, weather and popularity options, UW [\[Website\]](#) Oct. 2018 - Dec. 2018, Seattle

- ✧ Creating new web pages from scratch harnessing media queries and CSS frameworks
- ✧ Implement google map API and other fashion APIs to fetch useful data
- ✧ Using the React framework and Structuring all web page using React Components
- ✧ Uses Google's Firebase as a database and storage, fetch data from client's upload behavior
- ✧ Dynamically manipulating DOM elements and Using JavaScript to create interactive, engaging websites

Machine Learning Applied in Photophysical Process of Solar Cells, UW [\[Poster\]](#) [\[Github\]](#) Mar. 2018 - Jun. 2018, Seattle

- ✧ Apply ML (machine learning) methods on photovoltaic materials, enabling the design of more efficient solar cells.
- ✧ Develop software and attempt to recover spectral and kinetic information of the individual photophysical populations with minimal assumptions.

Data Intensive Research Enabling Clean Technologies Program, UW [\[Poster\]](#) [\[Github\]](#) Jan. 2018 - Mar. 2018, Seattle

- ✧ Use the Python library Scikit learn to apply ML methods on National Solar Radiation Data Base (NSRDB) to predict solar and wind energy, based on time and space.
- ✧ Find places where solar and wind energy can compensate to each other to achieve a stable source of clean energy and use this combinational renewable energy source to replace the local traditional energy supply.

Honors

- ✧ **Direct Data Scientist Program Certification, UW** Sep. 2017
- ✧ **National Endeavor Fellowship (4/175), AHUT** Jun. 2015
- ✧ **Outstanding Student Cadres (3/175), AHUT** Jun. 2016