Jing (Janet) 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
- **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 Express.JS 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), Boostrap & 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