Dehui Yu

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Portfolio: www.itsdehui.com   LinkedIn: Dehui   GitHub: Dwightu

EDUCATIONAL BACKGROUND

University of Ottawa, **Canada**   GPA: 4   *Sept. 2021 – Dec. 2022*
- Master of Computer Science focus on **Full stack web development**

Henan Agricultural University, China   GPA: 3.88 (Top 5%)   *Sept. 2017– June. 2021*
- Bachelor of Engineering in Computer Science and Technology;

SKILLS

Back End development | **Express.js**, **Next.js, Flask(Python), MongoDB**, **MySQL**, **RESTful API**

Front End development | **React.JS**, **Redux**, **GraphQL**, **JavaScript (ES5&ES6)**, **TypeScript**, HTML/CSS, **Bootstrap**, **Sass**, **EJS**

Tools & Utilis & Knowledge | **Jira**, **Git**, **Jest**(Unit Test), **NPM**, **Docker**, **Kubernetes**, **Linux, Micro-service, CI/CD pipeline,** Figma

WORK EXPERIENCE

Teaching Assistance, University of Ottawa, Canada   *Jan. 2022 – Aug. 2022*

SEG 3125: Analysis & Design User Interfaces on **web development**
- Design students' homework using UI/UX design tools - **Figma**;
- Help students build Full stack web applications using **MongoDB, Express, React, Node.js** in the lab.

ITI 1121: Introduction to Computing (Java)
- Automate grading with **Junit (Java) unit test**

Machine Learning Engineer Intern, Lytica Inc, Canada   *Sept. 2021 - Jan. 2022*
- **Mitacs Accelerate Program, Government-funded, Website: https://www.mitacs.ca/en/programs/accelerate**
- By using **Compute Canada**, Train convolutional neural networks **(CNNs)** to improve the state-of-the-art precision and recall in tabular detection while maximizing the value of extracted information for industrial applications.

Software Developer Intern, Henan Super Grand Electronic Technology Co., Ltd., CHN.   *Sept. 2020 - Jul. 2021*
- Worked closely with project management and version control platforms such as **Jira**, **Confluence**, and **GitHub**
- Build several **REST APIs using Flask(Python)** to implement CRUD operations based on the business requirements.
- Worked closely with **Bash** to configure and deploy **Docker** Containers to remote cloud virtual machines

PROJECTS

Best campgrounds for Canada, https://best-camp-canada.herokuapp.com/
- Tech Stack: ES6, **ExpressJS**, REST APIs, Bootstrap, EJS, JOI Schema validations, Geocoding
- Design and created a web application for people sharing their favorite campgrounds in Canada.

Microservice App based on Event-driven architecture, Project Link
- Tech Stack: ES6, **ExpressJS**, **React, Axio.js, Docker, Kubernetes**
- Design and created a microservice application based on JavaScript.

GitHub Finder, an app search GitHub user and display their info, https://dwightu.github.io/Github-finder/
- Use **React hooks**- useContext, useState, useReducer to manage the state change.
- Use **Fetch API** to send **GET** request get **JSON** data from GitHub. **React-icons** and **daisyui** are used for UI elements. The project is deployed on **GitHub pages**.

Please explore more 10+ projects in my GitHub https://github.com/Dwightu or in my Portfolio: www.itsdehui.com