

Dehui Yu

Phone: 343-777-8886

Email: dyu105@uottawa.ca

Portfolio: www.itsdehui.com

LinkedIn: [Dehui](#)

GitHub: [Dwightu](#)

EDUCATIONAL BACKGROUND

- | | | |
|---|--------------------|-------------------------------|
| University of Ottawa, Canada | GPA: 4 | <i>Sept. 2021 – Dec. 2022</i> |
| <ul style="list-style-type: none">Master of Computer Science focus on Full stack web development | | |
| Henan Agricultural University, China | GPA: 3.88 (Top 5%) | <i>Sept. 2017– June. 2021</i> |
| <ul style="list-style-type: none">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