Kevin Liu

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Education

Bachelor of Computer Science (Co-op)   September 2019–May 2024
University of Windsor

Skills

- **Soft Skills**: Problem solving, interpersonal, and communication skills, accountable, adaptable and flexible
- **Languages**: JavaScript, ReactJS, TypeScript, HTML, CSS, MySQL, Oracle, Java, Python, Django, C/C++, C#, .NET
- **Tools & Software**: AWS, Google Cloud, CI/CD Pipeline, Azure DevOps, UNIX, Linux, SAS, Git and GitHub, Bash/CMD, Eclipse, Docker, Visual Studio, JetBrain IDE's, MS Office, Adobe Photoshop, Microsoft 365, OneDrive

Experience

Statistics Canada   September 2022 – January 2023
Programmer Analyst

- Revamped G-Link web application, transitioning from outdated **SAS** to modern, cost-effective **open-source** technologies such as **Python, Django, Kubernetes,** and **PostgreSQL.**
- Enhanced user experience by creating and updating front-end web pages, resulting in a 30% increase in user engagement.
- Reviewed and optimized pre-existing codebase, ensuring seamless integration of new functionalities leading to a 20% reduction in bugs for the G-Link web application.
- Directed migration of G-Link software to Statistics Canada's **cloud infrastructure** reducing hosting costs and aligning with modernization objectives.

Altairix   January 2022 – May 2022
Full Stack Software Engineer

- Used **Agile Software Development** to create an application using **Java** that stored community campaigns and marketing materials for stakeholders. Allowed backend admin access for 100+ teachers that enhanced productivity for marking assignments and tests.
- Programmed a student-based registration webpage that stores the students' log-in information in a **MySQL** Database. Transferred, edited, and updated 5,000+ entries of student data that the company was working with.
- Designed a **UI** for the company website using **HTML, CSS,** and **JavaScript** to provide students and teachers with a pleasant teaching and education experience.

University of Windsor   May 2021 – August 2021
Backend Software Engineer

- Developed an application using **C#** to help professors with grading students' assessments for 20+ professors to use for the Aerospace Engineering department at the University of Windsor.
- Created using **C#** and **OpenXML** to successfully automate 500+ assignments by automatically adding in **.SVG** files and text for questions on the assignments. The applications automation process helps with creating new assessments such as exams and assignments.
- Developed the application database using **MySQL** to transfer and update 50,000+ entries of old and new data from pre-existing assignments.

ACM ICPC Programming Contest   September 2019

- Participated in a Canada-wide programming competition while working with a team. Developed better **teamwork** and **communication skills** while programming with the team.
- **Mentored** a team of 5 programmers to enhance their coding skills creating strong relationships and a positive work environment.

Projects

AI Website kevinliu8896/AIWebsite Developed a website about AI tools using **Python, HTML, and CSS**. The website has several sections that discuss AI tools and what they can do in a simple way for anyone to understand and use.

Microblog kevinliu8896/microblog Developed a robust, end-to-end social media web application using **Python and Flask**. Users are able to perform tasks like signing up, logging in, generating and publishing engaging blog posts, like/dislike buttons, and add reactions to blog posts.

Funstuff Website kevinliu8896/FunStuffEcommerce Created a comprehensive Ecommerce platform ground-up, utilizing **HTML, CSS, TypeScript, Shell scripts, and Docker files**.