Kevin Pei

Student, Coder, Skier. Let's work on something awesome.

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EDUCATION	
Bachelor of Computer Science	University of Waterloo	(Expected) 2016 – 2021

WORK EXPERIENCE

Full Stack Developer | Liquor Control Board of Ontario (LCBO) — January 2018 – April 2018
- Rapid prototyping of PoCs to approach, tackle, and push forward new technologies within the company with React, Node.JS and PostgresSQL.

Software Engineering Intern | Yahoo! Inc. — May 2017 – August 2017
- Developed numerous product features including a realtime React-based search bar and feature popup framework.
- Consulted with relevant parties to internationalize the entire Fantasy Football registration flow, ultimately updating over 5000 lines of code in one PR.
- Made high-level performance and architectural considerations surrounding the efficient integration of React into Yahoo! Fantasy Sports' PHP Stack, developed a lightweight, standardized module system to pass data between PHP and React at runtime.
- Worked with team members to spearhead product mocks in accordance to internal design guidelines.

Technical Analyst, Junior Integration Developer | Royal Bank of Canada — June 2016 – August 2016
- Developed high-performance and developer-friendly React and Redux based libraries to increase efficiency in the development process of Jive apps and tiles.
- Created a Chatbot framework with Python and Node.JS to investigate the future of human-computer interaction.
- Implemented natural language algorithm TF-IDF (Term Frequency-Inverse Document Frequency) in SQL for a high-performance bot that initially proved to be eerily accurate (better than vendor solutions in some cases).

OTHER EXPERIENCE

Frontend Team Lead | Hack the North — January 2018 – Present
- Responsible for coordinating hiring and frontend development efforts of a team of 5 for Hack the North 2018.

Frontend Developer | Hack the North — January 2017 – January 2018
- Created numerous web properties for Hack the North (Canada's biggest hackathon) including a chat-based form library for React and Redux used by over 6200 applicants.
- Developed a multithreaded and distributed video rendering framework for Adobe After Effects.

Frontend Architect | Seashell Team, University of Waterloo — November 2016 – May 2017
- Lead effort to migrate legacy Angular 0.9 architecture to a React-Redux stack with TypeScript.
- Consulted existing team members on modern web development methodologies to reduce development time and improve program reliability.

AWARDS

- **Canadian Computing Competition Senior Division Finalist** | University of Waterloo — 2014
- **Third Place** | Google Games (Mini), University of Waterloo — Fall 2017
- **Second Place** | MHacks — Spring 2017
- **Best Open Data Hack** | Hack the North — 2016
- **Third Overall** | Massey Hacks 2 — 2016
- **Best Life Hack** | Hack Western 2 — 2015

TECHNICAL SKILLS

Version Control & DevOps Jenkins, Git, Travis & Circle CI, Jira

Cloud Platforms IBM BlueMix, CloudFoundry, Amazon Web Services, Firebase, Heroku

Tooling Bash, Vim, Docker, Nginx, Apache, MySQL & Postgres

Web Tooling React, Vue.JS, Angular 1.x, Laravel MVC, TypeScript

Languages JavaScript & Node, CSS & SASS, PHP, Python, Java, HTML

Proficient Languages C++, C#