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Jay Shi

https://github.com/jay-shi
https://jayshi.site

EXPERIENCE

Imply Data   Burlingame, CA, USA
User Interface Engineering Intern   *Aug 2018 – Dec 2018*
- Designed and integrated two factor authentication flow *(TOTP 2FA)* to improve security
- Built web text editor incorporating functions of text saving, sharing and access managing
- Implemented cloud-text data visualization providing more options to customers using D3.js
- Designed and built iframe API allowing users to use customized data visualizations

IBM   Ottawa, ON, Canada
Software Developer Intern   *Jan 2018 – Apr 2018*
- Optimized app performance by doing dependency migration from jQuery to vanilla JavaScript
- Implemented a color comparison algorithm to replace legacy colors in IBM BI web product
- Built loading indicator feature for better user wait experience using ReactJS and SCSS

TD Bank   Toronto, ON, Canada
Software Developer Intern   *May 2017 – Aug 2017*
- Implemented microservices for token-based authentication using Node.js and Express.js
- Set up automated tests and app deployment for a more efficient development environment

IT Architect Intern   *Sept 2016 – Dec 2016*
- Built a single page web application *(SPA)* to present business proposal using Angular
- Developed a hybrid android app to showcase innovative banking solution using Java

PROJECTS

Posture Helper *(Hackathon Award Winning)*   *Apr 2018*
Android app that corrects user's posture using proximity sensors
- Implemented backend server to handle data from proximity sensor using Express.js
- Received *Most Creative Hack Award* in CUHack Hackathon over the 200+ participants

Moodapter *(Hackathon Award Winning)*   *Feb 2018*
VR game that helps user relax using Muse headband
- Implemented backend server to handle data streams from Muse Headband using Express.js
- Received *Muse Headband Sponsor Prize* in HTV2 Hackathon over the 500+ participants

EDUCATION

University of Waterloo   Waterloo, ON, Canada
Mechanical Engineering   *Sept 2015 – Jun 2020*

MOOC *(Mass Open Online Course)*   Online
Courses: Data Structures, Algorithms, Computer Networking, Operating System *(In Progress)*

SKILLS

- Languages: JavaScript, TypeScript, Java, HTML, CSS, SCSS, SQL, Python, MATLAB
- Others: Node.js, Express.js, React, Angular, Bootstrap, Git, Bash, UNIX