

James Zhang

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Website: <https://www.aboutjameszhang.com/>

Skills

Programming/Languages

- Javascript
- Python
- HTML
- CSS
- SQL
- Java
- C++

Tools/Frameworks

- Android Studio
- AngularJS
- Apache
- CSS - Sass
- Docker & Docker-Compose
- Flask, Flask-RESTful
- Git, GitLab
- Ionic
- MongoDB
- PostgreSQL
- ReactJS
- React Native
- Typescript
- Wordpress

Systems

- Android
- Linux
- Windows
- Windows Server 2016

Agile/Scrum

- Strong experience in developer and management roles
- Scrum development sprint cycles
- Kanban continuous product improvement
- User story, test case, and regression case management

Education

University of Waterloo

BASc, Chemical Engineering, Co-op Program
Waterloo, ON

September 2009 – April 2014

Hobbies

- 3D Modelling/Printing: Blender Project & Fusion 360
- Video Games

Work Experience

Pathcore

Full Stack Developer / System Engineer

- Created functional front-end views and components in an existing architecture and framework
- Upgraded and created new API endpoints to provide data for application and third-party use
- Created Information Security and Privacy Policies for HIPAA and PIPEDA compliance
- Performed on-site and cloud-based deployments in a Docker and Google Cloud Platform Kubernetes framework

June 2018 -
Present

Southpaw Technology

Application Engineer / Project Manager

- Managed client discovery, technical scoping and data model definition to ensure development would meet customer needs
- Developed application functionality using Python, HTML, CSS, and Javascript
- Leveraged agile principles to deliver products in a timely manner in both development sprints and Kanban continuous improvement
- Oversaw and documented product validation and QA

Oct 2016 -
March 2018

Xerox Research Centre of Canada

Project Lead

- Managed and triaged process design, scale-up, and optimization for client deliverables
- Facilitated and tracked lean Six Sigma implementation and improvement
- Joint Health and Safety Committee
- Initialized and managed digital tools development and data management initiatives

June 2014 -
Oct 2016

Environment Canada

Junior Analyst

- Oil upstream, refining technologies and trends
- Data mining, analysis, report compilation
- Greenhouse gas technologies reporting, analysis

Sep 2011 -
Dec 2011

Projects

Personal projects, information, and demos available at:
<https://aboutjameszhang.com/programming.html>

SimpleReddit

Reddit API, React Native, Python, Flask

- Developed a MVP application to browse Reddit content
- Utilizes variety of authenticated and anonymous endpoints for Reddit data

AXSource

Wordpress, HTML, CSS, Javascript

- Refactored client website to meet client needs and resolve media query issues

CalStats

Google developer API, MD Bootstrap, HTML, CSS, Javascript, jQuery

- Used Material Design Bootstrap to display data extracted using the Google calendar API
- Web application that extracts events from a user's calendars based on a query to create analytics and graphs on event frequency and length.