zichenjiang.com
github.com/alicj
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ZICHEN JIANG

PROFESSIONAL SKILLS

Experienced with: **Kubernetes, TravisCI, Python, Java, SQL, ETL Git, Linux**

EDUCATION

Bachelor of Applied Science; McMaster University   2013 – 2018
- Graduated from Computer Science Co-op program with distinction (GPA 3.7/4.0)

PROFESSIONAL EXPERIENCE

Full Stack Developer, Indellient; Oakville   May 2018 – Present
- Developed and maintained a daily running pipeline with **Java** and **Python**
- Used **TravisCI** to streamline image building in **Docker** and deployment to **Kubernetes**
- Optimized pipeline using multi-threading and efficient libraries, which decreased runtime by **30%**
- Developed ETL process using SQL Server Integration Services and resolved hidden data integrity issue for client

Database Analyst, Indellient; Oakville   Mar 2017 – Aug 2017
- Developed a Data Warehouse with **IBM DataStage** for Online Analytical Processing
- Visualized data on **IBM Cognos Business Intelligence** to help clients analyze data and make smarter decisions
- Met with clients to discuss business needs and received positive feedback on quality of work
- Upgraded and debugged **IBM Cognos Analytics**, which resulted in **10%** faster report generation

Software Developer, Indellient; Oakville   May 2016 – Mar 2017
- Devised and accomplished file system integration with **Google Drive** and **SharePoint**
- Optimized **AngularJS** front-end and improved memory usage by **10%**
- Designed and implemented **Single-Sign-On** using **SAML** and improved installation speed by **80%**

Web Developer, AgentFlux; Markham   May 2014 - Aug 2014
- Worked closely with real estate agents to create user-friendly and professional UI that appeals to them
- Designed and implemented front-end templating method which saved gigabytes of bandwidth and storage
- Facilitated web templating which improved front-end performance and enhanced data security

PERSONAL PROJECT

Rubber Hose, EthWaterloo   Nov 2019
- Winner of best use of **Enigma** network
- Developed an application with multilevel security protecting crypto wallet from unauthorized access
- Integrated **React** app with Enigma secret contract
- Developed Enigma secret contract using **Rust**

EthMessage, Stackathon   Nov 2017
- Third place in an ethereum blockchain hackathon hosted by STK Token
- Created a solution to allow embedded message with each ethereum transaction
- Implemented an end-to-end system using **ethers.js**, **React**, and **Solidity**

CentraCare, DementiaHack Toronto   Nov 2015
- Third place in the Family Caregiver Challenge Set
- Created a web application (with **MEAN** stack) for caregivers to get familiar with patients before they meet
- Adopted and learnt **AngularJS**, which resulted in a smooth browsing experience
- Devised modules to generate and parse different types of questions, which facilitated questionnaire expansion