

Nicholas Xie

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SKILLS

FULLSTACK DEV

Fluent:

AngularJS • React • Django
NodeJS • Hapi.js, Express.js
SQL • MySQL, Postgres
HTML • CSS, Material UI • JQuery

Experienced:

Meteor • MongoDB • Cordova • Sass

DEVOPS & TOOLS

Fluent:

Ansible • Vagrant • Docker
NGINX • Ubuntu/Linux • Git • Gulp

Experienced:

Phabricator

GENERAL PROGRAMMING

Fluent:

Python • C++ • Java • Racket

Experienced:

C • \LaTeX • Bash • Android

MEDIA EDITING

Fluent:

Photoshop CS6 • Sony Vegas 12.0 Pro
Colour Grading and Correcting

Experienced:

Final Cut Pro X • Audio Editing

LINKS

Github:// github.com/nick-xie

LinkedIn:// in/nicholas-xie-351155147

YouTube://

[/channel/UCazu7_kN6J6ZGxrdoA9kgjw](https://channel/UCazu7_kN6J6ZGxrdoA9kgjw)

EDUCATION

UNIVERSITY OF WATERLOO

BMATH - COMPUTER SCIENCE

MUSIC MINOR

Fall 2016 - Exp. April 2021

- Advanced math courses
- Advanced computer science courses

INTERESTS

Track and Field running
Violin

EXPERIENCE

INTERAC CORP. | SOFTWARE DEVELOPER INTERN

May 2018 – Aug 2018 | Kitchener, ON

- Solely developed fullscale webapp (**AngularJS**, **Node**) leveraging Interac's **e-Transfer API** in a particular use case for landlords and rental payments
- Worked in a team of 5 to build a bank emulator that integrates within the Interac network to test **payment related products**
- Set up **PostgreSQL** database with **Docker** provisioning script
- Created user accounts and authentication system with **Passport.js** and **Express sessions**

BONFIRE INTERACTIVE | SOFTWARE DEVELOPER INTERN

May 2017 – Aug 2017 | Kitchener, ON

- Solely revived and relaunched internal dashboard tool used daily in the resolution of support tickets
- Dashboard reduced customer portal admin support tickets by **90%**
- Complete UI/UX redesign and restructure using **Sass** and **Foundation**
- Worked extensively with **AngularJS** to build out new features with best practices kept in mind (factories, services, etc)
- Updated backend structure to allow multiple database environments using **Hapi.js** with **Node**
- Gained DevOps experience using **Vagrant** and **Ansible** to set up deployment as well as provisioning

PROJECTS

MATHABIT

Nov 2017 – Current | AngularJS, Node, Express, Postgres, Gulp, NGINX

- Complete production level webapp for "smart" course notes - **mathabit.com**
- Deployed application and accompanying Postgres database on a **Ubuntu 16.04** machine using **NGINX**, **PM2**, and **Certbot + LetsEncrypt** for HTTPS
- Server side LaTeX rendering using mathjax

VM

Nov 2017 – Dec 2017 | C++

- Collaboration with classmate to create clone of vim, using **OOP principles**
- Used ncurses library to create terminal GUI
- Implemented insert mode and command mode with select commands

AVARON, WEB-BASED PARTY GAMES

Dec 2016 | Django, AJAX, SQL, Meteor, AngularJS

- Webapp to distribute roles for players in a gameroom for popular deception games. Currently live, link found in project readme
- Set up basic request/response **model viewer controller framework**
- Implemented sessions so that players have unique views
- Incorporated AJAX form requests so that game lobby refreshes real time

FARTLEK

Dec 2015 – Jan 2016 | Java, Android Studio, LibGDX

- play.google.com/store/apps/details?id=com.nnldev.fartlek.android&hl=en
- Collaboration with two high school classmates to develop endless runner game