

Luka Pavlovic

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Skills

Languages Python, Java, PHP, JavaScript, HTML, CSS, Bash, SQL
Technologies Node.js, AWS, *NIX, OAuth 2.0, git, Oracle DB, MySQL, Ansible, Cobbler, Electron
Frameworks React, AngularJS, UnderscoreJS, Spring, Flask

Experience

Yelp

San Francisco, California

SOFTWARE ENGINEER INTERN - DATA QUALITY

August 2017 - December 2017

- Redesigned the storage and distribution of business categories to allow for faster updates
- Built a Python package that provides Yelp services with the latest business category information
- Automated parts of the category update process to reduce engineer involvement

The Meet Group

San Francisco, California

SOFTWARE ENGINEER INTERN - PLATFORM

January 2017 - April 2017

- Integrated Braintree into the payments client which enabled secure Paypal transactions
- Built and deployed an Instagram client and expanded the API allowing users to connect their accounts
- A/B tested a new Facebook registration flow to import the user's profile photos which increased long-term user retention
- Redesigned the PHP Facebook client to support the latest version of Graph API

NVIDIA

Santa Clara, California

SOFTWARE ENGINEER INTERN - CUDA INFRASTRUCTURE

May 2016 - August 2016

- Designed a reservation platform in Python to monitor machine usage and fully automate the system reservation process
- Automated network-based system installation using Cobbler and kickstart scripts to increase OS installation efficiency
- Validated system state automatically using Ansible to ensure reliability of tests

DBRS Limited

Toronto, Ontario

SOFTWARE ENGINEERING INTERN

September 2015 - December 2015

- Developed new features for the analytics platform dedicated to improving work flow for financial analysts using AngularJS, UnderscoreJS, and C#
- Built a tool for adding, editing, and cloning methodologies which greatly simplified the analysis process
- Designed an extension to Ceridian software allowing HR to keep better track of applicants

TD Bank Group - TD Securities

Toronto, Ontario

IT SOLUTIONS DEVELOPER

January 2015 - April 2015

- Developed features for WebBroker, an online investment platform, using Java and AngularJS
- Implemented and tested the User Settings module

Projects

Prism - Capstone Project

- The goal of the project is to enhance the visual experience of a live performance for up and coming artists
- Uses ultra-wideband sensors positioned on stage to track the performers in real-time
- Implemented the trilateration algorithm to calculate the position of a performer on stage given the sensor data
- Position estimates are within 0.75 meters of target with simulated noisy sensor data

JobMine CLI Client

- Web scraper that extracts important details from Jobmine, the co-op job platform used by Waterloo students
- Built and published a JavaScript library that displays the user's active applications and upcoming interviews

Education

University of Waterloo

Waterloo, Ontario

BACHELORS OF APPLIED SCIENCE IN COMPUTER ENGINEERING

2013 - 2018

Selected Coursework: Computer Security, Distributed Systems, Cooperative and Adaptive Algorithms, Database Systems, Compilers, Algorithms and Data Structures