BINYUAN SUN

Software Engineering Student

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EXPERIENCE

Incoming SDE Intern
Amazon Inc.

📅 May 2020 – Sept 2020   📍 Vancouver, Canada

Full-Stack Intern
Lyft (formerly MotivateCo)

📅 May 2018 – Sept 2018   📍 Montreal, Canada

- Maintained and developed new features for bike-sharing operators such as CitiBike, Ford GoBike and BIXI in a **White Label** type web application in **PHP Symfony 2**.
- Experimented on different designs on the largest bikesharing operator (with over 30k users per month), using **A/B testing** to assess their effectiveness.
- Initiated in the development of a brand new CMS in **Drupal 8** to improve **scalability** and **performance** over the old stack. Initial measurements show response time reduction over 90% (700ms to 70ms).

Full Stack Developer (Intern)
CityParking

📅 June 2017 – August 2017   📍 Montreal, Canada

Platform that allows people share their parking with other people.

SKILLS

Technologies	ARM (ASM), C, C#, Java, Javascript (& NodeJS), OCaml, SQL, PHP, Python, Ruby, VB.NET
Frameworks	Django, Express.js, jQuery, Laravel, Symfony, Rails, React, Spring, Vue.js
Interests	Badminton, Gaming, Photography
Languages	French & English (native), Mandarin Chinese (proficient), Spanish (intermediate)

RELEVANT COURSES

Algorithms and Data Structures   Algorithm Design

Discrete Structures   OS   ML (attending)

Programming Lang & Paradigms

HONORS & AWARDS

🏆 Winner of the Winter 2018 Design Principles and Methods competition at McGill University

PROJECTS

Cooperator (github.com)
- Software system made in the scope of a course Project, including a front-end in **Vue.JS** and a back-end in **Spring**.
- Tests written using **JUnit** and build system and Continuous Integration through **Gradle** and **Travis CI**.

Cardless (devpost.com)
- Flashcard skill made for Amazon Alexa during McHacks 2018.
- Use of AWS Lambda computing platform and backend in **NodeJS (Express)**.

Course Scheduler (gitlab.com)
- Console based course scheduling app in **Python**.
- Self-designed scheduling algorithm using **DFS** and **dynamic programming**, inspired by Sudoku solving algorithm.

DispURL (github.com)
- Temporary URL shortener. Web-app written in **Ruby (on Rails)**.
- Authentication handled using **Devise**.

Blog (gitlab.com)
- Blog-like web platform written in the scope of a high school graduation project for IB.
- First ever large scale project written in **PHP** and **MySQL** with PHP PDO as interface.

EDUCATION

Bachelor of Software Engineering
McGill University

📅 September 2017 – Expected May 2021