Xin Hao Zhang

Software Developer • UWaterloo Computer Science 2021

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EXPERIENCE

Coursera | Software Engineer Intern, Degree Experiences

Scala   *September 2020 - present | Remote*

- Working on the degree experiences backend

Facebook | Frontend Engineer Intern, Lightweight Ads Experiences

React, Relay, GraphQL   *September 2019 - December 2019 | Menlo Park, CA*

- Created components for the boosted post ads creation and editing flows, including a multi-media selector and a cropping tool which enabled the selection, upload, and cropping of media from various sources
- Added support for video ads in boosted posts by converting video upload logic for new infrastructure

MongoDB | Software Engineer Intern, Query Team

C++, JavaScript   *May 2019 - August 2019 | New York, NY*

- Improved features of the MongoDB query language by completing tickets such as adding support for index hints in update command and improving the oplog replay optimization
- Fixed bugs in query language and created JavaScript integration tests to verify code changes
- Implemented proof of concept to refactor mapReduce command to use more optimal aggregation framework

Index Exchange | Software Engineer Intern

Perl, Angular 6, Node, Go   *September 2018 - December 2018 | Kitchener, ON*

- Implemented a standardized navigation wrapper in Angular 6 to be used in all future web services
- Prototyped service to display pipelines, build statuses and test coverage from Gitlab
- Improved throughput of Perl daemons by identifying and refactoring inefficiencies in regex usage
- Eliminated hard-coded lists used in Node API by migrating data to a SQL database and caching query

Peekapak | Software Engineer Intern

React, SASS, Java   *January 2018 - April 2018 | Toronto, ON*

- Built features of a platform providing social-emotional learning curriculum to educators
- Created Java servlets to retrieve account data from DynamoDB and assets from AWS
- Redesigned and built internal content editing platform from ground up to be more scalable and user friendly
- Implemented pricing plan pages and real-time user engagement dashboards to convert users to premium plans

PROJECTS

UW Blueprint | Social Venture Partners KW 🔗

React, Node, MongoDB, Firebase   *January 2020 - present*

- Student team partnering with SVP KW to build application review app to help allocate funding to NPOs
- Implemented navigation, application view components, candidate rankings page and user management pages
- Mentored teammates on frontend JavaScript and React concepts through code reviews and pair programming
- Platform used in COVID-19 relief funding rounds and used to help allocate 800k+ to applicants

EDUCATION

University of Waterloo - Bachelor of Computer Science   *2016 - 2021*