

Pavithran Pathmarajah

Aspiring Software Engineer

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Competencies & Skills

- Requirement gathering and ongoing refinement
- Software design, architecture and implementation
- Project definition, management and delegation
- Active team management and agile development

Education

B Eng. Software Engineering | McMaster University – Hamilton ON

Expected Graduation Apr 2019

- Completed additional courses in economics and machine learning to understand real models and applications

Work Experience

CaseWare | Front-end Web Developer Intern

Mar 2018 – Aug 2018

- Developed the AngularJS components for the consolidation functionality which was the emphasis of the new Smart Engagements Platform Release
- Investigated and conceptualized solutions to minimize bandwidth and reduce run-time requirements
- Worked alongside the UX team to understand the limitations of the UX and development teams, leading to the groundwork for better communication across the teams and ensuring more realistic scope for both teams
- Consolidated a variety of UI components, into a new dynamic AngularJS component which reduced the overall development and testing time of UI related tasks going forward

Jibestream | Software Engineering Intern

May 2017 – Feb 2018

- Standardized the Android, iOS and Web SDKs, resulting in a reduction of technical support inquiries and strain on cross-platform application developers
- Prototyped a fully-automated quality assurance system with Node.js to test the data access and management layers as well as the SDKs to preemptively identify bugs reducing workload later in the software life cycle
- Communicated technical information at cross functional meetings in a succinct manner at levels of technicality
- Extensive involvement in the development of a Microsoft Graph integration with the existing Android, iOS, and web platforms to increase versatility with Office 365

SDK Examples: <https://apps.jibestream.com/examples/>

Projects & Experiences

Web Messaging App Tutorial Series | McMaster Developer Share

Mar 2018

- Organized and lead a workshops series to jumpstart and excite new students about development, creating a web messaging service using Node.js, Microsoft Azure and an HTML Bootstrap UI; a basis for many projects

Web: <http://seclub.mcmaster.ca/devshare>

Precision Agriculture System | McMaster Cumulative Capstone Project

Sep 2018 - Pres

- Provide farmers with field data and predictions worldwide using supervised machine learning performed on the SHARCNET Computation Network; collecting data via python3 and Java Spring on a React.js Web app UI

Web: <http://cap.pavipath.com/>

Web Developer | McMaster Software Engineering Society

Sep 2018 - Pres

ACM International Collegiate Programming Contest | Regionals

Oct 2016

Code To Win | Finalist

Nov 2015