

Pavithran Pathmarajah

Bachelor of Software Engineering – Class of 2019

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Competencies

- Object Oriented Analysis
- Interface Implementation
- Software Design
- Information Analysis
- Prototyping
- Testing Automation

Education

Bachelor of Software Engineering | McMaster University – Hamilton ON Class of 2019

- Completed additional courses in Economics to understand the interaction between consumers and businesses

Work Experience

CaseWare | Front-end Developer Intern Mar 2018 – Aug 2018

- Completed advanced tasks, typically not assigned to interns cementing myself as one with the core team
- Developed key components for major feature releases on the new *Smart Engagement* Platform
- Investigated and conceptualized solutions to minimize bandwidth as well as reduce run-time requirements
- Worked alongside the UX team to understand the limitations on both the UX and development side of things
- Consolidated a variety UI components, into a new dynamic component to reduce the overall development and testing time of tasks going forward

Jibestream | Software Engineering Intern May 2017 – Feb 2018

- Standardized the Android, iOS and Web SDKs, reducing technical support inquiries and strain on multi-platform application developers
- Investigated and resolved complex technical issues for clients and developed effective solutions to their unique requirements while using minimal development hours
- Constructed 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 to employees of varying technical competences in a succinct manner
- 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

Distributed Computing System | Yale University Development Competition Nov 2016

- Devised a system using client-server architecture to use idle computing power to analyze large data sets
 - Leveraged a PHP backend to partition data sets into processable blocks for client side analysis via JavaScript
- Git: <https://yhack.pavipath.com>

ACM International Collegiate Programming Contest | Regionals Oct 2016

- Learned the benefits of peer review, and have applied it to all my projects and my work since this competition

Code To Win | Finalist Nov 2015

- Placed in the 85th percentile nation wide, solving 4 of 5 algorithmic programming challenges in the finals.
- Realized the power of time management and to utilize proven algorithms instead of reinventing the wheel