JUSTIN ACHONG

CONTACT

email	justin@achong.ca
site	achong.ca
location	Waterloo, ON

OVERVIEW

I am a professional software developer with 8 years of full-time industry experience building, scaling, and maintaining large-scale applications across the full stack as an individual contributor, team lead, and manager using technologies such as TypeScript, Angular, C++, PHP, and MySQL in order to solve tough and ambiguous problems across a variety of business domains. I hold a B.Sc. in Honours Mathematics and Computer Science from McGill University.

WORK

2023 - Present **Software Engineer**, Google

I am a Software Engineer at Google working on a global-scale web application using technologies such as Angular, TypeScript, Kotlin, and GraphQL.

2022 - 2023 **Software Team Manager**, Eigen Development

I was a Software Team Manager at Eigen, where I led a team of engineers developing the xDine online ordering platform. My responsibilities included:
· managing the engineering team to drive application development and maintenance;
· planning system design to add new features and scale existing functionality;
· cross-functional coordination with Product, QA, and other development teams;
· establishing and documenting development standards and practices.

2019 - 2022 **Software Development Team Lead**, Eigen Development

I led a full stack development team working on a web application using JavaScript with Backbone, PHP with CodeIgniter, and MySQL as well as server applications in Windows and Linux C++. I was responsible for architecting and overseeing the development of new features in addition to scaling a major web application by multiple orders of magnitude to accommodate higher traffic volumes.

2016 - 2019 **Junior Software Developer**, Eigen Development

I developed and maintained software across the full stack in a small team, supporting payment and online ordering applications.

SKILLS

General: System design · Technical leadership · Scaling · Optimization
Frontend: TypeScript · JavaScript (ES6+)· Angular · Backbone.js · HTML · CSS · Webpack · GraphQL
Backend: Kotlin · PHP · C++ · MySQL · CodeIgniter
Other: Git · Linux · Windows · Vim

EDUCATION

2010 - 2015 **McGill University**, Montreal, QC

B.Sc., Honours Mathematics and Computer Science
Faculty of Science. Graduated with First Class Honours.

RESEARCH

Summer 2015 **Undergraduate Research in Computer Science**, McGill University

Under the supervision of Prof. Prakash Panagaden at the McGill University School of Computer Science, I completed the project *Minimizing Weighted Automata with Rectangles*, ultimately producing a paper describing an algorithm to minimize a certain class of automata along with a proof of correctness of the algorithm.

AWARDS

May 2015 **NSERC Undergraduate Student Research Award**

I was awarded an NSERC Undergraduate Student Research Award with a value of $5625 for summer research in Computer Science based on *"potential for a career in natural sciences or engineering"*.

August 2015 **2nd prize, 11th Undergraduate Computer Science Research Symposium**, McGill University

I was awarded 2nd prize ($150) for presenting *Minimizing Weighted Automata with Rectangles* to faculty and peers at the School of Computer Science. Consequently, I was selected to present a poster at 2015 Undergraduate Research Conference at McGill in October 2015.

LANGUAGES

English (*Native*) · Portuguese (*Fluent*) · French, Spanish (*Limited working profiency*)