Eric Schaal

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EDUCATION

McGill University — Montréal, QC, Canada
Bachelor of Science in Computer Science — *Sept. 2015 – April 2018*

Lycée Francais Charles de Gaulle — London, United Kingdom
French National Science Baccalauréat Diploma; Highest Honors — *June 2014*

EXPERIENCE

NXTSENS Microsystems — Montréal, QC, Canada
Full Stack Software Developer — *July 2017 - Present*

Leading the development of a React-Native application capable of receiving, processing and displaying critical health data from a Bluetooth Low Energy medical device and uploading it to a FHIR conformant server. Advising meetings with cloud hosting service based on application infrastructure needs.

Yuma — Montréal, QC, Canada
Software Developer Intern — *May 2017 - June 2017*

Developed a scalable bulk email service using RabbitMQ capable of sending thousands of emails in a few seconds. Brainstormed database architecture with CTO.

Orange S.A. — Antananarivo, Madagascar
Software Developer Intern — *June 2016 - August 2016*

Deployed a complete software development environment (Project Management, Bug tracker, VCS, Dependency Caching, CI platform) to facilitate employee collaboration and project development. Contributed to technical meetings with Facebook and Orange engineers concerning the launch of Internet.org in Madagascar.

COURSE PROJECTS

- **Booker**: Fault-tolerant distributed booking system with transactions.

- **Cookie Shell**: Shell built from scratch with pipes, I/O redirection, job management and history.

- **Mancala AI Player**: Das Bohnenspie AI player using Alpha-Beta Pruning.

PERSONAL PROJECTS

- **Live Docker Container Migration**: Live game server migration from one data center to another without downtime.

- **PleskDynDNS**: Dynamic DNS client and server for Plesk Control Panel written in Go.

- **Travl [Ongoing startup project]**: A crowd-sourced and social travel agent that helps users build and organize trips based on others' experiences. Built with Meteor.

PROGRAMMING SKILLS

- **Languages**: Java, JavaScript, C, C++, Go, C#, F#, MATLAB

- **Technologies**: React, React-Native, Node.js, Meteor, Spring.io, Google Cloud, Kubernetes, Docker, Neo4j, RabbitMQ