

SIDDHARTH VAKNALLI

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LANGUAGES

Java
HTML / CSS
JavaScript + ES6
C/C++
Ruby
PHP
Python

FRONT-END

Angular.js
React.js
jQuery
Less / Sass
Bootstrap
Semantic UI
D3.js / C3.js

BACK-END

Node.js
Express.js
Rails
MySQL
MongoDB
Passport.js

OTHER TECHNOLOGIES

Git
Bash
Eclipse IDE

EDUCATION

University of Waterloo

Bachelor of Software Engineering

2015-2020 (Expected)

AWARDS

Scotiabank Software
Engineering Entrance
Scholarship

Strong academic and
extracurricular achievement

Term Dean's Honours List

Term averages of 87% and 89%
in 1A and 1B

Honour Roll - Senior Canadian
Computing Competition

Rank 96 of 1472 contestants

WORK EXPERIENCE

Web Applications Developer, Dejero Labs Inc.

Jan 2017 - Apr 2017 / Waterloo, ON

[JavaScript](#) | [Ruby on Rails](#) | [Angular.js](#) | [Sass](#) | [MySQL](#) | [D3.js](#) | [C3.js](#) | [WebSocket](#) | [Node.js](#) | [Docker](#)

- Developed **API endpoints** in **Rails** to assign remote sources to broadcast destinations
- Built a **full stack app** for users to rename, export and play video clips on the server
- Optimized **front-end functionality** and **database querying** for adding new users to the app
- Managed **live data updates** on the frontend using a **WebSocket** interface
- Developed an expert service **search platform** by integrating with a **third-party API**
- Improved **chart rendering** in a **Node.js** report generation tool using **D3.js** and **C3.js**
- Implemented a custom front-end **Angular router** to dynamically load pages

Junior Web Developer, AGF Investments Inc.

May 2016 - Aug 2016 / Toronto, ON

[HTML](#) | [CSS](#) | [JavaScript](#) | [Java](#) | [Cascade CMS](#) | [Eclipse EE](#) | [IBM WebSphere](#)

- Managed **front-end web applications** and deployed time-sensitive content in a team
- Developed and documented a **Java-based Single Sign-On solution** for an internal application from scratch, improving communication and content sharing for the sales team
- Implemented **automated user authentication** and configured **WebSphere servers** in Eclipse
- Designed **JSP templates** for improving functionality of a **shopping cart application**
- Utilized **SharePoint** to share content and control workflow between different departments
- Organized periodic **team meetings** for brainstorming ideas and demonstrating code

PROJECTS

Complete list at github.com/SiddharthVaknalli

Disrupter disrupter.herokuapp.com

[Node.js](#) | [Express.js](#) | [MongoDB](#) | [Passport.js](#) | [Flash](#) | [Semantic UI](#)

- Developed a **blogging app** which lets users share their projects and tech ideas with others
- Implemented a **RESTful Express API** and used **Passport.js** for user authentication
- Sanitized blog posts to safeguard against **malicious data** and **injection attacks**

Ultimate Chess

[Java](#) | [Swing](#) | [Minimax algorithm](#) | [Alpha-beta pruning algorithm](#)

- Developed a **chess game** in **Java** with single player and multiplayer options
- Utilized **OOP principles** to model game components and **Swing toolkit** to design graphics
- Included **4 levels of AI difficulty** by utilising the **minimax algorithm** and **alpha-beta pruning**

Priorify!

[Java](#) | [Android](#)

- Developed an **Android app** that prioritizes a list of tasks according to criteria input by user
- Programmed a **backend algorithm** for prioritizing tasks by utilizing OOP and sorting
- Ranked **Top 10** at Waterloo EngHack 2015

Bar Line (in progress)

[ES6](#) | [React.js](#) | [Express.js](#) | [MongoDB](#) | [Passport.js](#) | [Bootstrap](#) | [Socket.io](#) | [Google Maps API](#) | [Webpack](#)

- Developed a **web search platform** to let users check the wait time of any restaurant or bar
- Implemented **Facebook and Google login** using Passport.js and third-party OAuth APIs
- Currently implementing **crowdsourcing** and **live wait time updates** using **Socket.io**