

# Ilker Hadzhalaran

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## Skills

### Languages

C++, C#, Python, JavaScript,  
TypeScript, PHP, HTML, CSS,  
VB.NET, MongoDB, MySQL

### Libraries, Frameworks, Etc.

Angular, Angular Material,  
Bootstrap, jQuery, NodeJS,  
ExpressJS, Mongoose, Firebase,  
RESTful API Architecture, Dotenv

### Tools

Visual Studio, NPM, VirtualBox,  
Git, GitHub, Atlassian Suite,  
GitLab, Chrome DevTools

### Artificial Intelligence & Machine Learning

TensorFlow, Keras, NumPy,  
pandas, scikit-learn, Matplotlib,  
Conda, Anaconda Navigator,  
Jupyter Notebook

## Education

McMaster University  
Bachelor of Technology in  
Automation Engineering (Co-op)  
Expected Dec, 2020 | Hamilton, ON

## Other Skills

Linux & Windows Environments  
Unity Game Engine  
CAD Software  
Creating WordPress Websites  
Microsoft Office & G Suite  
Possess G License

## Experience

### Software Developer Intern (4 months) • McMaster Manufacturing Research Institute

May – Aug, 2020 | Hamilton, ON | See Result: [vimeo.com/450177340](https://vimeo.com/450177340)

- Created data visualization, analytics and test software for FANUC manufacturing machines in a Windows environment.
- Developed with MongoDB, ExpressJS, Angular, NodeJS (MEAN stack), FANUC's MT-Linki API and third-party libraries.
- Designed app architecture, used Atlassian Suite workflows, and performed DevOps duties, including managing deployments.

### Software Developer Intern (8 months) • Advanced Particle Tech.

Jan – Aug, 2019 | Waterloo, ON

- Worked on developing a web application using Angular, NodeJS, HTML, CSS and MongoDB in a Linux environment.
- Worked with third-party libraries to create features (e.g. PDF viewer).
- Contributed to various types of documentation (e.g. SRS document).

### Product Development Intern (4 + 8 months) • 3Dstream Inc

May – Aug, 2017 and Jan – Aug, 2018 | Hamilton, ON

- Completed UI/UX design for parts of a workflow management software for manufacturers that use 3D printers.
- Worked on HTML/CSS with frontend team.
- Turned customers' needs into software specifications.
- Created WordPress website and made HTML/CSS modifications.

## Relevant University Courses

C++ Programming (and worked as a C++ Tutor), Object-Oriented Programming, Internet Technologies & Databases, Quality Control and Assurance Methods, Embedded Systems, Statistics, System Specification and Design (Master's level), Artificial Intelligence and Machine Learning

## Personal Projects (More On GitHub)

### QuickPass Password Manager | [quickpass-app.com](https://quickpass-app.com)

- Designed and developed fully responsive Angular-Firebase web app.

### Coral Catastrophe Unity Game | [vimeo.com/381808251](https://vimeo.com/381808251)

- Player is a fish that wants to avoid swimming into oncoming coral.

Video walkthroughs of 9 projects at [vimeo.com/channels/1525169](https://vimeo.com/channels/1525169)