

# 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,  
Chrome DevTools, IBM uDeploy

### Artificial Intelligence & Machine Learning

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

### Capstone: Virtual Reality Tour

*learning-factory-vr-  
tour.firebaseio.com*

## Education

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

## Other Skills

Linux & Windows Environments  
Unity Game Engine  
CAD Software  
Creating WordPress Websites

## Experience

### Software Developer (Full-time) • Citigroup

*Jul, 2021 – Present | Mississauga, ON*

- Joined the team a few months before their first software release and completed 50+ bug fixes and improvements.
- Currently creating a new Angular feature to streamline the process of updating user permissions. The current process requires developers to manually change JSON in MongoDB whereas the new feature will allow business users to update user permissions through a visual user interface, thereby drastically increasing the workflow's efficiency.
- Technologies used: Angular, JSON, ABAC, MongoDB, IBM uDeploy

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

*May – Aug, 2020 | Hamilton, ON | See result at: [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 app for helping users manage different versions of their 3D model files. Used MongoDB, ExpressJS, Angular, NodeJS (MEAN stack) 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).

## Personal Projects (More On GitHub)

### QuickPass Password Manager | [quickpass-4ed21.firebaseio.com](https://quickpass-4ed21.firebaseio.com)

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

### Hackathon: Portfolio Manager App | [vimeo.com/593492344](https://vimeo.com/593492344)

- Angular-Springboot app that helps a user manage their financial portfolio, with real-time API data.

### 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 13 projects: [vimeo.com/channels/1525169](https://vimeo.com/channels/1525169)**