

Ash Anand

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Skills

Languages: JavaScript (ES6), TypeScript, Python, GraphQL, Java, HTML5 & CSS3, C#
Libraries/Frameworks: React, Redux, Angular, GraphQL Yoga, Socket.io, Express, Jest
Tools: Git, Unix, MongoDB, PostgreSQL, Firebase, Netlify, Heroku, AWS, Unity, Postman

Employment History

Agriculture and Agri-Food Canada

Ottawa, Ontario

Software Engineer

September 2020 – May 2021

- Designed and developed custom **React** components for an internal SharePoint site; increased user engagement by **500%**
- Constructed custom workflows to automatically email over **80 site members** of upcoming due dates for assigned tasks
- Engineered a custom **React** component to allow site administrators to view and purge outdated or inactive files; reduced site file storage usage by **20%**
- Conceptualized **8** web components through design mock ups on **Figma** and translated designs to live pages upon manager approval

Saba Software

Ottawa, Ontario

Software Developer Intern

May 2019 – August 2019

- Attended weekly stand-up and design meetings to translate user requirements into new features (**Agile, Angular, SCSS**)
- Refactored Angular components to follow better design practices and implemented bug fixes; reduced over **800 lines of code**

Cheetah Networks

Ottawa, Ontario

Software Developer Intern

March 2018 – October 2018

- Coded core Bluetooth functionality for an **Android** application to facilitate wireless communication with an external hardware unit (**Java, C++**)
- Wrote custom firmware for a device to enable Bluetooth communication with a mobile application (**C**)
- Streamlined development process by setting up a **GitHub** repository and enforcing rules, saving over **100 development hours**
- Collaborated with a team of four to deliver a product prototype within **five months**; instructed others on efficient development and design practices

Ross Video

Ottawa, Ontario

Software Developer Intern

January 2017 – April 2017

- Introduced two new features for the UI of the OverDrive software (**Java, HTML, CSS, JavaScript**)
- Overhauled visual component of the OverDrive software by migrating to the latest version (Eclipse RCP)

Agriculture and Agri-Food Canada

Ottawa, Ontario

Software Developer Intern

June 2016 – December 2016

- Managed and developed features for the SharePoint site of the Human Resources directorate (**JavaScript, HTML, CSS**)
- Created a dashboard tool for monitoring the status of over **20 server computers** simultaneously

Personal Projects

Untitled Block Game

GraphQL, Node.js, Unity, React, AWS

<https://untitledblockgame.netlify.app/>

Architected and developed an online game environment where players can create and share worlds with each other. Players can manage their character and worlds on the website, and build, play, or publish their worlds online through the Unity game client

Strength Bros

Node.js, React

Built a platform for online multiplayer fitness-based minigames that use phone sensors and websockets to animate players on the screen as they perform exercises. Created with a **team of 4** in under **24 hours** for ConUHacks

Education

University of Ottawa

Ottawa, Ontario

BASc in Software Engineering

September 2015 – December 2019