

# Danish Dua

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## EDUCATION

### University of Alberta

BSc IN COMPUTER ENGINEERING  
Sep 2016 - Apr 2021

## LINKS

GitHub:// [dandua98](#)  
LinkedIn:// [dandua98](#)  
Twitter:// [@dandua98](#)  
Medium:// [@dandua98](#)  
Devpost:// [dandua98](#)

## SKILLS

### Languages

Go • JavaScript • TypeScript • Python  
• CoffeeScript • Java • C# • Swift •  
C++ • Bash

### Infrastructure

Azure • AWS • GCP • Kubernetes •  
Docker • Docker Compose • Helm •  
NGINX • Kong • Kafka • Redis

### Frameworks

Node • React • Vue • Redux •  
GraphQL • iOS • Android

## COURSEWORK

File and Database management  
Object-Oriented Software Design  
Computer Organization and  
Architecture  
Software Requirements Engineering  
Intro to Tangible Computing  
Formal Systems and Logic in  
Computing Science

## EXPERIENCE

### Honey | SOFTWARE ENGINEERING INTERN

May 2019 - Present | Los Angeles, CA

- Designed audit logging middleware for internal dashes and tooling to help teams track usage better.
- Reworked internal dash gateway to modernize the UI, increase compatibility with newer dependencies and improve tool discovery through categorization.
- Converted Internal and Platform APIs, Dashboard Backends and Cache Filler task to GraphQL stored operations (persisted queries).
- Developed admin restricted GraphQL API and corresponding dashboard to create, update and delete user role groups for easier role group management.

### Microsoft | SOFTWARE ENGINEERING INTERN

January 2019 - April 2019 | Vancouver, BC

- Worked on **WebTemplateStudio**, a VSCode extension that helps web developers bootstrap an application with integrated Azure Cloud Services faster. Owned Azure functions deployments process for the application.
- Implemented *Internationalization* and *Keyboard Navigation* for the extension's UI (written in *React*). This enabled the application to be more accessible and meet WCAG accessibility guidelines.
- Converted Azure REST API deployments to ARM templates, thereby improving the extension's maintainability, extensibility, and improving user transparency.
- Developed a REST API for the extension's code generation and merging engine (**GitHub: Microsoft/CoreTemplateStudio**).

### Green Brick Labs | FULL STACK DEVELOPER INTERN

April 2018 - August 2018 | Waterloo, ON

- Implemented internal tooling to automate service discovery and service, plugin and route registration with Kong API Gateway with no downtime.
- Worked on the Identity Provider microservice; implementing the account registration, password reset, and admin account control workflows. Implemented claim verification with JWTs.
- Converted multiple microservices, database containers, kafka instance and architecture skeletons from Docker Compose to Kubernetes.

## PROJECTS

### Pending PR TypeScript

A GitHub app to help manage issues in pull requests better using labels. Installed on more than a 1000 repositories across different GitHub users, including a few at Microsoft.

### MSNews AR Swift, Python, Azure

Microsoft news in Augmented Reality with videos and articles as supplement to images. Uses content parsing on backend at an interval to find relevant info. PoC at NWHacks2019. Winner, Microsoft Best use of Azure Hack, Wolfram Award for Best Hacks and Imagine cup 2019 semi-finalist, Americas region.

## AWARDS

2019	NWHacks	Microsoft Best use of Azure Hack for MSNews AR
2019	XDHack	Top 6 and Best Hacks finalist for Research Hub
2017	University of Alberta	1st place at Junior Engineering Design Competition
2016	University of Alberta	Centenary Scholarship