Hansa Halim

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EDUCATION

University of Waterloo — *Waterloo, Canada*
Honours Bachelors of Mathematics, Statistics — *Sep 2017 – Expected Apr 2021*

- President of the Indonesian Students' Association (Fall 2018)
- Related Courses: Object-Oriented Software Development, Algorithm Design and Data Abstraction, Databases

WORK EXPERIENCE

Tokopedia — *Jakarta, Indonesia*
Software Engineer Intern, Fintech — *May 2019 - August 2019*

- Tokopedia is Indonesia's largest e-commerce tech startup valued at 7 billion US dollar backed by Alibaba.
- Developed dynamic data processing for credit card products using Go, improving new product deployment process from 1 business day to just a few seconds.
- Optimized data processing by improving SQL queries which leads to 1000x faster processing.
- Streamlined insurance policy requests by automating query transactions.

COMPETITIONS AND PERSONAL PROJECTS

StarterHacks: Real Time Mobile Queueing System — *January 2019*
devpost.com/software/queuesystem

- Won Best Internet of Things award from more than 200 teams and over 1000 participants.
- A virtual queue system where people can line up for a service without having to be physically present.
- Integrated Google's Firebase Real Time Database to connect services and clients.
- Implemented QR Code scanning and matching mechanism using ZXing library.

Fluent — *June 2019 - Present*
fluent.id

- Fluent is an anonymous platform which allows people to practice English via peer to peer voice calls.
- Over 70+ unique users during launch week and has collected feedback from users where 6 reported significant improvement in English speaking abilities.
- Created Live Translation feature allowing users to translate text in Real-Time using Google Translate API.
- Designed various pages and features from scratch using React, Next.js, Bulma, and REST API.

Hack The North: GooseNet — *September 2019*
devpost.com/software/goosenet-an-anonymous-community-for-your-apartment

- GooseNet is an anonymous social network for your apartment where people who live in the same building can talk to each other, ask for help, and borrow stuffs.
- Developed chat screen that will push new messages to our server and retrieve all new messages.
- Created Reddit-like threads for announcements where people can add, reply and view the latest posts.

Multiplayer Static Tetris — *November 2018*
github.com/HansaHalim/Biquadris-Demo

- An imitation of Tetris with multiplayer functionality & special actions allowing competitive play for 2 players.
- Implemented using Object-oriented Programming principles using the decorator, factory, and model-view controller design patterns. Integrated X11 Forwarding for a graphical display.

SKILLS

Languages	C, C++, Go, Python, JavaScript, SQL, HTML, CSS, Bash, Shell
Technologies	RESTful API, React, MySQL, Next.js, jQuery, Git, Linux, UNIX, Makefile, AJAX
Interests	Aviation Enthusiast, Autonomous Vehicles, Credit Cards and Credit Scoring, Tech News