

Hello! I am _____

Benedict Tobias Wahyudi

Front End Software Developer

✉ toby.wahyudi@uwaterloo.ca

🌐 <https://toby.wahyudi.ca>

🌐 /in/tobias-wahyudi/

🐙 /tobiaswahyudi

☎ (519) 781-9405

Work Experience

Software Developer Co-op

Manulife Bank of Canada

Waterloo, Canada

Sep 2020 - Dec 2020

- Implemented analytics microservice APIs for Bill Payment Reminders, projected to reach 10,000+ users.
- Independently created intuitive testing and automation tools using React, Node, and Electron, reducing manual testing time by over 50%.
- Contributed to Manulife's internal React components library.

SPRING

REACT

ELECTRON

NODE

STORYBOOK

Software Engineer Co-op

Secret Mission Software

Toronto, Canada

Jan 2020 - May 2020

- Delivered responsive web-apps for multiple clients, including one used by 4,500+ real estate brokers in Toronto.
- Implemented a GraphQL backend with Graphene and Django.

REACT

APOLLO

DJANGO

GRAPHENE

GATSBY

BOOTSTRAP

STORYBOOK

HEROKU

TYPESCRIPT

AI Engineer Intern

GDP Labs

Jakarta, Indonesia

May 2019 - Aug 2019

- Researched and implemented recommendation systems using Knowledge Graph Embedding, which showed over 10% improvement over existing Collaborative Filtering models.

TENSORFLOW

NUMPY

SPARQL

Education



University of Waterloo

Sep 2018 - Apr 2023 (Expected)

Bachelor of Computer Science

GPA: 3.66

Skills

Frameworks

- React - Next / Gatsby / Expo
- Angular + RxJS
- Django - DRF / Graphene
- Node + Express
- Spring Framework

Tools & Technologies

- Figma
- Storybook
- Firebase
- REST/GraphQL
- Heroku
- Linux/Unix
- Git

Languages

- C / C++
- JavaScript / TypeScript
- Python
- Java

Projects

Co-Founder/Frontend Developer

fluent.id

Jakarta, Indonesia

Jul 2019 - Dec 2019

- Designed and implemented an anonymous platform connecting users to practice English via peer-to-peer-voice calls, reaching 70+ users during launch with 6 reporting significant language improvement.
- Implemented peer-to-peer real-time communication and voice calls using PeerJS.

REACT

NEXTJS

BULMA

DJANGO

PEERJS

Awards & Activities

2018 Indonesian National Informatics Olympiad

Achieved a national-level bronze medal in competitive programming.

Hack The North 2019

Used React, Node, Express, and Firebase to build a social network web-app to connect people living in residence.

President, UWaterloo Indonesian Students Association

BENEDICT TOBIAS H. WAHYUDI

toby.wahyudi@uwaterloo.ca • 519-781-9405
toby.wahyudi.ca • linkedin.com/in/tobias-wahyudi • github.com/tobiaswahyudi

WORK EXPERIENCE

Manulife Bank of Canada

Software Developer Co-op

Waterloo, Canada

September 2020 - December 2020

Spring, React, Node, Electron, Storybook

- Implemented analytics microservice APIs for Bill Payment Reminders, projected to reach 10,000+ users.
- Independently created intuitive testing and automation tools using React, Node, and Electron, reducing manual testing time by over 50%.
- Contributed to Manulife's inner-source React components library in Storybook.

Secret Mission Software

Software Engineer Co-op

Toronto, Canada

January 2020 - May 2020

React, Apollo, Django, Graphene, Gatsby, Bootstrap, Storybook, Heroku, Typescript

- Delivered responsive web-apps for multiple clients, including one used by 4,500+ real estate brokers in Toronto.
- Implemented a GraphQL backend with Graphene and Django.

GDP Labs

AI Engineer Intern

Jakarta, Indonesia

May 2019 - August 2019

TensorFlow, NumPy, SPARQL

- Researched and implemented recommendation systems using Knowledge Graph Embedding, which showed over 10% improvement over existing Collaborative Filtering models.

COMPETITIONS AND PERSONAL PROJECTS

fluent.id

Co-founder & Front-end Developer

Jakarta, Indonesia

July 2019 - December 2019

React, NextJS, Bulma, Django, PeerJS

- Designed and implemented an anonymous platform connecting users to practice English via peer-to-peer-voice calls, reaching 70+ users during launch with 6 reporting significant language improvement.
- Implemented peer-to-peer real-time communication and voice calls using PeerJS.

Indonesian National Informatics Olympiad

July 2018

Achieved a national-level bronze medal in competitive programming using C++.

Hack The North

June 2019

- Used React, Node, Express, and Firebase to build a social network web-app to connect people living in residence.
- Designed a progressive web-app UI in Figma.

EDUCATION

University of Waterloo

Bachelor of Computer Science

Waterloo, Canada

September 2018 - April 2023 (Expected)

- GPA: 3.66
- Relevant Courses: Object Oriented Programming, Data Structures, Algorithms, User Interfaces, Applied Cryptography, Operating Systems, Numerical Computation

SKILLS

Frameworks

React (Next / Gatsby / Expo), Angular, Django (DRF / Graphene), Node + Express, Spring Framework

Tools & Technologies

Figma, Storybook, Firebase, REST/GraphQL, Heroku, Postman, Linux/Unix, Git, Android Studio

Languages

C / C++, JavaScript / TypeScript, Python, Java, bash