Contact

mohamedamadou.com

/in/mohamed-amadou

/moeamadou753

mamadou@uwaterloo.ca

(613) 402 - 7498

Technical Skills

Languages

- Java - Python

- JavaScript (ES6) - Kotlin

- HTML/CSS - C/C++

- SQL - Go

Frameworks & Tools

- NodelS - AWS

- MongoDB - React

- Docker - Figma - ARCore - Hadoop - IIRA - Linux

- Adobe Suite - Git

Awards

Changemaker Innovation Challenge

2nd place out of 120+ teams

Valedictorian

Chosen from a graduating class of 350+ students

Education

University of Waterloo

Double Degree in Computer Science and Business Sept. 2018 - Present

Activities: The Water Boys A Cappella, Hack the North, JDCC

Scholarships: President's Scholarship of Distinction, Parking BOXX Solutions Scholarship

Mohamed Amadou

American & Canadian Citizen



Accenture

Software Engineering | Decentralized Identity



Internships

- Built a **blockchain**-powered public health service from end-to-end — leading software architecture, coding practices and Hyperledger Aries/Indy (blockchain) research, documentation, and development

- Created 10+ RESTful API endpoints using AIOHttp, Python, and Hyperledger Aries/Indy — responsible for 80% of server traffic and business logic

- Wrote an EAFP exception-handling module from scratch to decrease debugging time and increase code coverage by 30%

- Refactored 3 user flows, creating 10+ responsive, re-usable React components

- Designed user authentication system using OAuth 2.0, JWT, and WebSockets

- Leveraged AWS to implement serverless architecture of blockchain network



SEPT 2019

TD Bank

Software Engineering | Android

- Engineered an augmented reality, indoor-wayfinding app using Android, ARCore, Flutter, Java, and Kotlin following MVVM and Agile methodologies
- Acted as the Android lead and developer advocate enforcing creational design patterns to optimize code quality
- Decreased navigation time of visiting executives and managers by ~45%
- Created 20+ re-usable Flutter UI components following TD standards to increase developer productivity by 30%



Jurisprudence



- Built an Android app to improve accessibility to legal counsel



- Created a high performance, concurrent backend API using the Government of Canada API, Cloud Natural Language API, Python, and Go

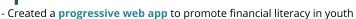


- Leveraged design thinking to create intuitive UI/UX using Figma



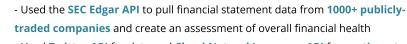
Personal Projects

Speculator





- Created UX/UI flows in Figma to facilitate front-end development



- Used Twitter API for data and Cloud Natural Language API for sentiment analysis, to diagnose the public perception of company management



Find It! Painless Shopping



- Created an Android app to help Ottawa natives search a compilation of nearby retail stores using Java, JSoup, Google Maps API, and Adobe Creative Suite



Misc. Projects

[Mynute] [White Lily Casino]



Extracurriculars



Logistics Organizer, 2020 — [Hack the North]



