

EXPERIENCE

Incoming Software Engineering Intern @ [LinkedIn](#) June 2021 - Present

Software Engineering Intern @ [PagerDuty](#) Jan - April 2021

- Deployed several services in the EU, including setting up monitoring & alerts with Datadog, deploying with Buildkite, monitoring health checks with Nomad, provisioning AWS resources, managing Kafka topics, and updating documentation, to meet GDPR regulations
- Wrote an architecture design document for an internal endpoint authentication scheme to improve the security of service-to-service transactions
- Wrote, optimized, and tested Elixir backend functionality to upsert flexible licensing information and augment product entitlements

Software Engineering Intern @ [Ash](#) Oct - Dec 2020

- Created an asset minification pipeline using Jinja2 and Google Cloud Platform to reduce page load time by 20%
- Implemented a new way for users to check their medical test results (30% of site traffic) that was faster and more intuitive, using Flask, AJAX, Bootstrap, and CSS

Software Engineering Intern @ [Accenture](#) Jan - April 2020

- Worked on a proof of concept blockchain-based electronic health record platform that enabled the secure transfer of medical information such as vaccination records between parties like parents, schools, and school boards
- Created 10+ REST API endpoints responsible for 80% of server traffic and business logic using Python and Hyperledger Indy
- Refactored 3 user flows, creating 10+ responsive, reusable React components
- Designed a user authentication system using OAuth 2.0, JWT, and WebSockets

Software Engineering Intern @ [TD Bank](#) May - Aug 2019

- Built an AR way finding app from scratch with Android ARCore and a variety of indoor location technologies
- Went through different iterations including using paper beacons and the device gyroscope as a first no-cost MVP, then moving to using wifi signals, and finally combined WiFi signals, Bluetooth low energy beacons, pedestrian dead reckoning, and other static information from the building's "footprint" to create the most accurate location reading
- Decreased navigation time of visiting executives and managers by 45%

Workshops and Mentorship Lead @ [Hack the North](#) Mar 2020 - 2021

- Interviewed 60+ workshop lead candidates to staff 32 workshops, achieving 10.2k+ total participants
- Directed a team of 6 organizers and 30+ workshop leads—managing communications through Slack and email, organizing 1:1's and dry-runs, and providing guidance alongside an easily accessible timeline
- Created 50+ pages of documentation to increase productivity for future workshops and mentorship organizers
- Conducted rigorous market research and environmental analysis to help the organization pivot amidst COVID-19
- Wrote extensive product requirement documents and participated in regular design and front-end critiques for our completely revamped mentorship tool, which was used by 1000+ hackers at our event

MOE AMADOU

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EDUCATION

University of Waterloo
Bachelor of Computer Science

3rd Year, Junior: 2018 - 2022

Relevant Coursework: Object-Oriented Programming, Data Structures, Algorithms, CPU Design, Logic, Compilers

TECHNICAL SKILLS

- Python
- C/C++
- Ruby
- SQL
- JavaScript
- Elixir
- AWS
- Kafka
- React
- HTML/CSS

EXTRACURRICULARS

tech+

Fall '20 Mentor, Spring '21 External Advisor

- Provided mentorship in the areas of interviewing, campus involvement, and portfolio development
- Participated in regular strategy discussions to develop a plan to ensure the accessibility and equity of our organization

The Water Boys - A Cappella

Spring '19 VP, Fall '19 Musical Director

- Wrote original A Cappella arrangements and designed choreography for performance at community and campus events
- Planned and ran weekly rehearsals and sectionals for 20 members

Map the System

- Researched the combination of postcolonial, historical, and economic problems that have caused extreme poverty in Niger
- Presented findings and proposed solutions to a panel of judges, placing 2nd out of 120+ teams