

Demi Olagoke

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Education

University of Waterloo Bachelor of Software Engineering September 2012 - June 2017

- Courses: Computer Security and Privacy, Concurrent and Parallel Programming, Cooperative and Adaptive Algorithms, Computer Networks, Operating Systems, Embedded Software, Data Structures and Data Management
- Events Coordinator (May 2015 - April 2016) of the Black Association for Student Expression

Work Experience

Tinder Senior Software Engineer, Backend Los Angeles, CA | July 2017 - September 2022

- Helped the ideation, execution, and release of products such as Explore, Swipe Night, Fast Chat, and Festival Mode
- Architected and led the development of products/features such as Games, Message Suggestions, and Live Counter
- Owned parts of products such as video transcoding for Swipe Night videos, and the interactions service for Fast Chat
- Transitioned the transcoding service from FFmpeg to AWS Media Convert, reducing video processing times by ~85%
- Updated the pairing service for fast chats to an event-driven architecture, enabling concurrent release in 20+ countries
- Mentored junior engineers, ensuring their professional development goals were met while also contributing to the team
- Technology/Languages: Javascript/Typescript, Java, Node.js, AWS DynamoDB, Redis, Kafka, AWS Media Convert etc.

Minted Software Engineer San Francisco, CA | September 2016 - December 2016

- Mitigated revenue loss by thousands of dollars by fixing issues preventing users from purchasing products
- Reduced size of the UI package webpack bundle by 20% by moving images from the package to S3
- Helped increase user conversion by moving products to the new product display page through data and code changes
- Technology/Languages: Javascript, React (Redux), Python, Node.js, MySQL

nanoPay Full Stack Developer Toronto, ON | January 2016 - April 2016

- Worked on MintChip, a digital currency backed by the Canadian government
- Developed features such as P2P money requests and fraud mitigation using transaction limits
- Created an invite system where invited users could sign up and instantly receive the money sent to them
- Technology/Languages: Javascript, Node.js, AngularJS, Loopback, MongoDB

University of Waterloo Undergraduate Research Assistant Waterloo, ON | May 2015 - August 2015

- Worked on HCI research into data exploration of geotagged information using multiple tablet devices and a tabletop
- Implemented real-time synchronization between devices & HCI techniques for surfacing relevant information to users
- Created summary visualizations from application logs for researchers to gain insight into user usage patterns
- Technology/Languages: C#, Javascript, Node.js, Visual Studio

(Additional experience available on LinkedIn)

Projects

Mixee July 2023 - September 2023

- Mobile application that aims to create community for Disc Jockeys and their audience
- Independently set up the backend (API and database) used by the frontend application
- Wrote scripts to handle the collection and uploading of events to the backend
- Technology/Languages: Python, FastAPI, Strapi, MongoDB, Railway

WatHub (Fourth Year Design Project) March 2016 - March 2017

- Website for students to share applications that they made to help themselves with school work
- Set up the database and worked with others on the API used by the frontend
- Technology/Languages: Node.js, Javascript, Loopback, MongoDB

Tilde August 2015 - December 2015

- Windows application that allows control of other applications through gestures from a smartphone
- Implemented real-time desktop notifications to alert users of actions made on the smartphone
- Technology/Languages: C#, Ngrok, Visual Studio

(Other projects available on LinkedIn)