

# MINGLE LI

## EXPERIENCE

### ***eMoney Advisor - Associate Software Engineer***

*JANUARY 2025 - PRESENT*

- Converted from co-op to full-time!
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### ***Freelance Website Developer***

*SEPTEMBER 2019 - PRESENT (CONTRACT BASED)*

- Leverage WordPress to design, create, and maintain mobile-responsive sites for numerous podcast, nonprofit, medical, and entrepreneurial businesses.
  - Communicate with customers to clearly establish requirements and obtain feedback to ensure full satisfaction with the end product.
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### ***eMoney Advisor - Software Engineer Co-op***

*JANUARY 2024 - AUGUST 2024*

- Transition bulk-file financial data importers from on-premise servers to AWS cloud infrastructure, enabling cost-effective horizontal scalability.
  - Utilize AWS Step Functions, Glue, Lambda, EKS, S3, and Apache Spark to refactor monolithic import software into a modular architecture.
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### ***Toast, Inc. - iOS Software Engineer Intern***

*JUNE 2023 - AUGUST 2023*

- Designed and implemented a "Favorite Order" feature into the Toast Takeout iOS app, allowing users to mark orders as favorites and reorder them conveniently.
  - Identified and resolved numerous UIKit-SwiftUI interoperability bugs in iOS 15 and 16.
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### ***Zentility, Inc. - Full-Stack Software Engineer Co-op***

*JANUARY 2023 - MAY 2023*

- Streamlined the onboarding process for new customer acquisitions by developing an Excel bulk importer for electric and natural gas meters.
  - Designed a data stack ranking page with dynamic group-by and filter clauses based on user-selected properties, providing flexible insight into customer energy use.
  - Introduced server-side datatable pagination with caching using Angular Akita stores.
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### ***Freelance Tutor***

*JUNE 2021 - MAY 2022*

- Tutored students online in Computer Science, Mathematics, and SAT
- Utilized my iPad and Apple Pencil to illustrate difficult concepts for better understanding

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**Sapporo Restaurant - Manager/Worker***JUNE 2021 - AUGUST 2021*

- Assumed a managerial position after father, the owner, was absent for period of time
- Hired, fired, managed all workers and mediated issues between diners and servers
- Upheld the highest standard of customer service
- Open and closed dining room every day
- Calculated and distributed tips to workers
- Learned how to be bartender, server, sushi chef, host, expo, server assistant
- Designed and printed closing checklists for all positions

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**Zentility Inc. - Software Intern***JULY 2020 - AUGUST 2020*

- Researched OAuth2/OIDC identity providers (namely Okta and Auth0) and gauged them against our needs: multi-tenant role-based access control, effectiveness of user management, and white-labeling customizability.
- Integrated Auth0 into pre-existing login and forgot password flows using Angular
- Researched and implemented JWT authorization into Spring Boot backend with access through custom claims
- Discovered a method to parse roles in a custom claim when it's not put in the "scope" claim of JWT

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**Acton Institute of Computer Science - Teacher/Volunteer***JULY 2020 - AUGUST 2020*

- Volunteered with AICS, a non-profit, free online computer science academy started by Acton-Boxborough High School students
- Taught four classes (30 students) of Introduction to Python weekly over Zoom during COVID-19
- Helped design curriculum and recruit staff
- AICS brought in over 1000 students and raised \$8000+ for charity

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**MassEnergize Inc. - Software Intern***JUNE 2019 - SEPTEMBER 2019*

- Drove the implementation of a website, in collaboration with twelve coworkers, for a local grassroots non-profit that is addressing the climate emergency in the world
- Constructed and developed the frontend using React
- Restyled the entirety of the frontend to be mobile friendly and responsive
- Resolved long-standing positioning issue on faulty navigation bar dropdown, resulting in increased customer engagement through easier access to information
- Fixed various issues on the website as well as added pages to display graphs and environmental actions that one can participate in

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**eco IOT Solutions LLC - Software Engineer***JUNE 2018 - JULY 2019*

- Configured and integrated the frontend and backend of an eCommerce solution using the Magento 2 framework
  - Configured SEO and meta titles/descriptions for effective rankings in Google's SERPs
  - Applied and integrated external modules and resolved conflicts if necessary
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**FRC Team 5735: Control Freaks - Lead Software Programmer***SEPTEMBER 2017 - JUNE 2021*

- Utilize Java and libraries from WPI and CTRE to program a fully-functioning robot for the First Robotics Competition robotics team at Wayland High School
  - Fixed variable symbolic link issue that caused robot to erratically speed up and go the wrong way
  - Figured how to integrate an external inertial measurement unit into our motion profiling handler to allow precision when following trajectories
  - Ported software development over to IntelliJ from Eclipse and figured out how to integrate Ant in order to accelerate and optimize the programming process
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**ScreenPOS LLC - Software Engineer***MAY 2015 - JUNE 2018*

- Developed and maintain a modern, software-oriented point-of-sale solution that runs on the cloud and is accessible by virtually any device with an Internet connection
  - Used Java alongside external frameworks such as Apache, Maven, Spring, and more, to construct database models and query handlers
  - Utilized the WebDev languages to develop a responsive, user-friendly frontend interface
  - Produced a lightweight, mobile Python server on a Raspberry Pi that runs on local LAN as a failsafe gateway for HTTPS requests, in case of a faulty Internet connection
  - Planned and implemented a responsive, user-friendly UI using the Bootstrap framework
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**EDUCATION****Northeastern University - Boston, MA***AUGUST 2021 - DECEMBER 2024*

- **GPA:** 4.00 / 4
- **Extracurriculars:** eSports Rocket League Club Team

**Wayland High School - Wayland, MA***SEPTEMBER 2017 - JUNE 2021*

- **GPA:** 3.95 / 4 UW, 4.88 / 5 W
- **Test Scores:**
  - SAT - 1550
  - ACT - 35

- *AP BC Calculus* - 5
- *AP Statistics* - 5
- *AP Computer Science A* - 5
- *AP Chemistry* - 5
- *AP Music Theory* - 5
- *AP Spanish* - 4
- **Extracurriculars:** Robotics Club, Honors Wind Ensemble & Orchestra, Acapella, Volleyball