Andy Yu

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EDUCATION

University of Waterloo   Waterloo, ON, Canada
Bachelor of Applied Science in Computer Engineering, BASc, GPA: 3.7   *September 2019 - April 2024*
- **Relevant Coursework:** Data Structures & Algorithmns, Operating Systems, Databases, Networks

EXPERIENCE

Intuit   Toronto, ON, Canada
Software Engineer Intern   *September 2023 - December 2023*
- Contributed new components to a React component library, providing content producers with an intuitive drag-and-drop capability for creating dynamic pages, these pages will drive 75% of traffic during tax season
- Introduced distributed tracing to enable real-time request monitoring and pinpoint bottlenecks and request errors
- Injected track event analytics into the components, catalyzing data-informed business decisions

Splunk   San Jose, CA, USA
Software Engineer Intern   *January 2023 - April 2023*
- Developed APIs to manage maintenance windows, significantly reducing effort from the release management team which manually schedules monthly releases for 4500+ customers across spreadsheets, using Golang and DynamoDB
- Designed and implemented UI to track/manage customer maintenance windows and internal change freeze periods
- Integrated change freeze APIs to only display available slots to accommodate current infrastructure limitations

Splunk   San Jose, CA, USA
Software Engineer Intern   *May 2022 - August 2022*
- Collaborated on a dashboard framework software package (@splunk/dashboard-core) and maintained 10+ supporting packages that connects visualizations, inputs and their datasources, using React and TypeScript
- Refactored framework packages to provide 15,000+ clients access to interactive and dynamic data visualization

Autodesk   San Francisco, CA, USA
Software Engineer Intern   *September 2021 - December 2021*
- Streamlined the ingestion and processing workflows of construction sheet drawings, providing a scalable, efficient, and user-friendly processing service using React, TypeScript, and Redux
- Added permission level access to areas of the platform giving construction managers finer control over their project

MetricWire   Waterloo, ON, Canada
Software Engineer Intern   *January 2021 - April 2021*
- Spearheaded the development of a customer relationship management system for researchers to manage participant data, increasing data analytic efficiency by over 80%, using React, Material UI, MongoDB, and Mongoose
- Implemented bulk operations and a robust web page builder for 20+ organizations for their research campaigns
- Recognized with a $1000 performance bonus for exceptional contributions during the internship

PROJECTS

MemoryLane - Journal app incorporating AI to generate prompts and provide analytics from past entries

TripSync - Itinerary app that allows a group to plan, manage, and budget a trip while providing suggestions

Operating System - Developed a real-time kernel in C, facilitating the execution of user and system tasks

SKILLS

Languages: JavaScript, TypeScript, C++, C, Golang, Python, Java, SQL, HTML, CSS

Web: React, Redux, Node.js, Tailwind, Material UI, Cypress, Jest, React Testing Library, Storybook, Contentful

Technologies: Git, MongoDB, Mongoose, DynamoDB, Postman, Kubernetes, Docker, Jenkins, Splunk