STANLEY GUO

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🎓 University of Waterloo
BASc, Computer Engineering

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LANGUAGES

TypeScript / JavaScript | Java | Python
C | Scala | SQL

TECHNOLOGIES

React | Redux | Sequelize | Postgres
Jest | REST API | spaCy | Apache Airflow
Redis | S3 | Hibernate | Proto3 | Redshift
Flyway | Puppeteer | Stitches

TOOLS

Git | Sentry | Mezmo | Jira | PubNub
LaunchDarkly | Algolia

PROJECTS

FirstStep, a team-matching website for students, created for my Capstone project

Maya Modeling/Animation ↗

EDUCATION

University of Waterloo | 2018 ~ 2023
BASc, Computer Engineering
Graduated with Distinction
Cumulative GPA: 87.42%, 3.79

WORK EXPERIENCE

Compound Financial

Software Engineer • Full-time   Jun. 2023 - Sept. 2023

Contributed to the development of the Planning product: introduced a new settings tab, enhanced cash flow breakdowns with greater granularity, and improved mortgage event simulation.

Planned and executed a refactor of the codebase's repository layer as part of the shared module migration effort. Improved code quality and introduced type safety.

Software Engineer • Internship   Sept. 2022 - Dec. 2022

Developed valuation assumptions tool for equity modeling, widely used by high-net-worth clients and advisors to forecast startup equity valuation.

Delivered equity modeling onboarding experience, leveraging Framer Motion for fluid animations and Visx for dynamic data visualization.

Built worker job to retrieve tax documents from Carta with Puppeteer, and perform tagging and entity linking to ensure seamless integration with existing records.

Jobox.ai

Full Stack Developer • Internship   Jan. 2022 - Apr. 2022

Delivered automotive skillset presets feature for technician onboarding flow in close collaboration with various stakeholders from ERD design and implementation, to testing and release.

Researched and prototyped data pipelines to train custom NER models with spaCy to enhance job parsing accuracy, achieving an average of 96% F-score on labeling task.

Built React components and RESTful APIs for the job dispatching tool.

Adentro

Software Developer • Internship   Jan. 2021 - Apr. 2021

Developed ad performance data aggregation and enrichment feature for Scala-based backend services within a multi-tier architecture, and optimized cache data refresh job to run on average 5% faster.

Debugged last-minute blocking issues to help the Scrum team meet deliverable deadlines, and resolved a total of 131 tickets across 2 terms.

Software Developer • Internship   May 2020 - Aug. 2020

Developed quality-of-life features for internal campaign management tools and built Airflow DAGs to refresh campaign data.

DigitalEd

Web Developer • Internship   Sep. 2019 - Dec. 2019

Responsible for the company's Flask/Jinja2/ButterCMS-based marketing website; Prototyped its integration with Madcap documentation.

QA Analyst • Internship   Jan. 2019 - Apr. 2019

Expanded automated test coverage with Selenium and Cucumber, and decreased test suite runtime by over 10%.