

# Yuting Fan

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## EDUCATION

Indiana University Bloomington (M.S. Information Systems)

August 2021 - December 2022

Indiana University Bloomington (B.S. Information Systems)

January 2019 - May 2021

## SKILLS

**Programming Languages/Frameworks/Libraries:** HTML5, CSS/SCSS/SASS, JavaScript, TypeScript, Angular 10+, React, Bootstrap, Angular Material, Material UI, Node.js, Java, Express.js, NestJS, Python, R, WordPress

**Databases:** Microsoft SQL Server, MySQL, MongoDB, PostgreSQL, BigQuery

**Design/Testing Tools:** Figma, Sketch, Miro, Cypress, Jasmine, Karma, Postman, Tableau, Alteryx, Wix

**Software Development:** VSCode, IntelliJ IDEA, Eclipse, Sublime

**DevOps/Project Management:** Agile (Scrum Master), Waterfall, GitHub/GitLab, Jenkins, AWS, Google Cloud Platform

**Certifications:** Project Management Essentials Certified, AWS Cloud Practitioner, Google Data Analytics Certificate

## EXPERIENCE

Tesla, Fremont, CA | Angular Developer | Contract

March 2024 - Present

- Upgraded internal design system to **Angular 17** for enhanced compatibility with latest features.
- Migrated** UI components from React to Angular, **releasing** updated TDS library for improved UI consistency.
- Utilized **NgZone** for precise change detection control and performance optimization.
- Performed **WCAG** accessibility testing with **Wave** and end-to-end testing with **Cypress** to ensure compliance.
- Managed code changes effectively using **GitHub** for version control and **Jenkins** for **CI/CD** pipelines.
- Optimized **bash script** functionality to enhance performance in various environments.

SAE International, Remote | Sr. Full Stack Web Developer | Contract

March 2023 – February 2024

- Integrated **Angular 16** and **TypeScript** with **Java-based Bloomreach CMS** for the Fullsight-Intranet-2-0 project.
- Configured **AWS CloudFront**, **Firebase**, and environment-specific settings for accessibility and deployability.
- Used **Figma** for collaborative UI design and **Miro** for brainstorming and wireframing sessions.
- Improved Commerce Service endpoints in **NestJS** by incorporating **RxJS**, enhancing **controllers**, implementing **RESTful API** practices, and integrating **Elasticsearch** for advanced search capabilities.
- Served as **Scrum Master**, leading **Agile** meetings to ensure project alignment and timely delivery of sprint goals.

Purdue University, West Lafayette, IN | Bioinformatics Research Assistant intern

June 2022 – August 2022

- Data Source:** Collected RNA-Seq data from multiple biological samples totaling 120,000 data points for differential expression analysis.
- Applied **Pearson correlation analysis** for initial data exploration and **Principal Component Analysis (PCA)** in **R** for dimensionality reduction and visualization.
- Performed differential expression analysis and visualized results using **volcano plots** and **heatmaps**, creating 9 summary parts to analyze gene expression patterns.
- Developed 30+ visualizations in **R** and **Python**, including PCA plots, volcano plots, heatmaps, bar charts, and other custom visualizations using tools like **ggplot2** and **OmicStudio**.
- Conducted **GO** (Gene Ontology) enrichment analysis and **KEGG** pathway analysis to interpret biological significance and map genes to pathways.

Kelley Hope Digital Project, Bloomington, IN | Volunteer Tech Consultant

September 2020 – May 2021

- Developed the Midland Arts & Antique Market website using **Wix**, resulting in a 30% increase in online inquiries.
- Implemented SEO strategies for CafeBaby using **Shopify**, leading to a 45% increase in organic traffic and a 20% increase in sales over 6 months.
- Developed and managed the Herbontique online store using **SquareUp**, achieving a 25% increase in online sales within the first 3 months of launch.
- Advised on effective drop shipping strategies using Printful and Shopify, resulting in a 15% increase in product range and a 10% improvement in profit margins.
- Optimized the client's Shopify website by simplifying navigation paths, enhancing product visibility, and improving page load speeds, resulting in a 30% reduction in bounce rate and a 20% increase in time spent on site.