

ANTHEA YUR

3841 Portland Ave S, Minneapolis, MN | (563) 940 6395 | Backend Software Developer
acyur6@gmail.com | [Github](#) | [LinkedIn](#)

OBJECTIVE

Former experienced Mechanical Engineer with global experience fulfilling various supporting roles for applications expanding to aerospace, medical, and large scale manufacturing solutions. Recently completing a backend-focused web development program and seeking opportunities in application design and innovative solutions.

EDUCATION

Turing School of Development & Design | *Denver, Colorado*
March 2024 | Backend Software Development

University of Saint Thomas | *Saint Paul, Minnesota*
December 2016 | Bachelor of Science in Mechanical Engineering

SKILLS

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|------------------------|---|
| + Simulation & Design | SolidWorks, ANSYS, CFD, FEA |
| + Backend | Ruby on Rails, PostgreSQL, C++, Python, GraphQL |
| + Frontend | HTML, CSS, JavaScript, React, Deployment (Heroku, Render, DigitalOcean, Vercel) |
| + Testing | RSpec, SimpleCov, CircleCI, TDD |
| + Visual Documentation | Excel, Word, PowerPoint, Visio, Figma, Miro |
| + Project Management | DOE, FMEA, Lean Manufacturing, Github, Slack, Linear |

RELEVANT EXPERIENCE

Turing School of Development & Design, Denver, CO
2308 Cohort Backend Developer Student

August 2023 to March 2024

DoughFin (API/UI): A user-friendly financial management app designed to help individuals track their income, categorize expenses, and create budgets.

[Code Repository FE](#) | [Code Repository BE](#) | [Vercel Deployment](#)

- + Application design is a streamlined single-view dashboard that features intuitive modal functionality for enhanced user interaction, alongside versatile data export options, allowing users to convert information into CSV or Excel formats for comprehensive data analysis and reporting
- + Developed and implemented the income tracking feature, utilizing GraphQL to efficiently manage data transfer between the app and servers, which enabled users to automatically track their incomes
- + Designed and coded the expense categorization logic using Ruby on Rails, significantly improving the user's ability to understand their spending habits through customized categorization
- + The API is unit-tested for data validation with SimpleCov and RSpec reaching 98% coverage, while the user interface is checked with Cypress
- + **Technologies Used:** *GraphQL, JavaScript, Rails, React Native, Ruby on Rails, Figma, CircleCI, SimpleCov, Cypress, RSpec, Linear*

Third Space (API/UI): A customizable application designed to help users find locations that match their mood and needs, fostering a sense of connection and community.

[Code Repository FE](#) | [Code Repository BE](#) | [Digital Ocean Deployment](#) | [Demo Presentation](#)

- + Application design prioritizes aesthetics with an emphasis on color-blind accessibility, ensuring an inclusive user experience. It features an intuitive navigation system across search functionalities and web pages, with the ability to refine results based on mood, accessibility features, and location
- + Created a Rails API to serve the front-end application, integrating external APIs such as Yelp and Geolocation for enhanced location discovery and business information retrieval. The UI front-end application was built using Rails while implementing a user-friendly interface with Bootstrap and JavaScript to facilitate easy navigation and interaction
- + Designed and developed each view with wireframes with Figma and leveraging advanced Rails features to personalize user experiences based on mood and preferences
- + Led the creation of the budget creation tool, incorporating React Native for a seamless cross-platform user experience, allowing users to easily set up personalized budgets
- + **Technologies Used:** *Bootstrap, GitHub, JavaScript, Rails, RSpec, User Authentication (2-Factor Authentication with rotp, OmniAuth for Google login integration, and Geolocation), Miro Board*

Other Related Experience: Turing provided a 1500+ hours, seven-month intensive ACCET-accredited software development program specializing in backend web development while introducing frontend tools and structuring.

- + Managed multiple student-led projects, orchestrating the planning, execution, and delivery phases within one to two-week timelines, demonstrating effective leadership in high-pressure environments
- + Practiced object-oriented design (OOD) principles and RESTful routing to build robust, scalable software and maintainable API endpoints
- + Utilized Figma, JavaScript, HTML, and CSS for UI/UX design when creating user-centered designs that enhanced usability while adhering to minimalistic aesthetics, directly contributing to improved user engagement and satisfaction

Minco Products Inc., Fridley, MN
Sensors Manufacturing Engineer I

June 2015 to January 2021

Production Support & Development

- + Process and manufacturing support for a variety of product families through continuous education for in-house and ISO technical standards through controlled assembly, inspection, and process documentation
- + Project work included quality improvement, process control and redesign for cost reduction, and tooling design and implementation for new production processes
- + Supporting roles extended to managing and sourcing new components, materials, and machinery for controlled production practices, troubleshooting and visiting production spaces for any product related conflicts, and standardizing building procedures through thorough documentation with alignment to evolving ISO standards
- + Collaboration with Process Engineering by managing high-risk projects regarding high volume products through DOE, FMEA, and leading the team through scheduled and organized meetings
- + 1000+ hours of R&D efforts for life-cycle, material integrity, and product development testing

Manufacturing Team & Customer Support

- + Role included assisting other business units through creating custom quotes for various product lines with simultaneous set-up for process planning and clause reviews for new customer contracts
- + Demonstrated ability to effectively build and sustain relationships with customers through prompt and efficient communication with visual aid creation skills, reliable responsiveness, and facility visits
- + Lowered manual calculation time with simplified input spreadsheets with user-friendly interface