

JUSTIN PUTHENPURAYIL

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EDUCATION

Purdue University

West Lafayette, IN

Bachelor of Science in Computer Science, Minor in Mathematics, Psychology

December 2025

- Dean's List 2022-23, 2023-24
- Relevant Courses: Data Structures (CS251), Algorithms (CS381), Relational Databases (CS448)
- Front-end Team Lead of ACM SIGAPP, Personal Development Co-chair of Alpha Phi Omega, Intramural Sports

WORK EXPERIENCE

Software Engineer Intern

May 2025 – August 2025

Bank of America

Pennington, NJ

- Migrated 4 legacy SQL and mainframe workflows to Informatica IDMC by designing mappings, configuring data tasks, and integrating AutoSys job scheduling
- Led GitHub Copilot enablement across 3 scrum teams, offering setup support, tips, and adoption guidance
- Collaborated with interns on Flask-based "Code Visualizer" to convert user code into diagrams

Data Analytics Intern

May 2024 – August 2024

Ally Financial

Charlotte, NC

- Utilized Figma, React, TypeScript, HTML/CSS, and GitLab CI/CD to build and deploy a multi-view search feature and multi-step form for a modernization project
- Developed 30+ BDDs (business design document) for 64 screens directly under Product Owner, facilitating clear communication for both development and UI/UX teams
- Collaborated withing a Scrum framework, gaining hands-on experience with Agile methodologies and Jira tickets

Web Developer

May 2023 – Present

Purdue University College of Liberal Arts

West Lafayette, IN

- Developed page templates using Apache Java Velocity/XML, HTML, CSS
- Fulfilled requests to create, modify, and delete pages for Purdue facility with Cascade CMS, closing 80+ tickets
- Reduced broken links on legacy pages by 24% - fixed over 1,500 links

PROJECTS

Fantasy Nicknames | *Figma, React, Firebase Real-time Database (NoSQL), Selenium*

- Developed a React-based fantasy football nickname finder web app
- Leveraged Selenium/Python to web scrape 1000+ nicknames into a Firebase Database
- Designed an intuitive UI/UX through Figma, attracting 150+ users with 62.2 thousand impressions
- Enhanced efficiency by optimizing nickname search process, reducing user searches from 8 to 1 website visit

Assignment Assigner | *Flask, SQLAlchemy, SQLite, HTML, CSS*

- Created a full-stack application allowing users to create, edit, and delete assignments and their assignee's
- Utilized Flask and SQLAlchemy to construct front and back end, ensuring a robust and scalable architecture
- Demonstrated proficiency in DDL/DML through ORM and prepared SQL statements to manage SQLite database

BucketList | *React Native, Expo, Express.js, Prisma, PostgreSQL*

- Built React Native "Preferences" panel with sliders/toggles for trip length, luxury, and group size
- Designed Express.js RESTful API with Prisma on PostgreSQL—implemented full CRUD for user preferences, managed schemas in pgAdmin, and tested endpoints via Postman
- Collaborated in a 10-member Agile team using Figma and Jira to refine and deliver features weekly

Nursing Home Mask Initiative | *HTML, (S)CSS, PHP, Laravel, MySQL, LocationIQ API*

- Led web development team in developing platform connecting mask-makers with nursing homes during pandemic
- Built database of nursing homes using MySQL and connected to front end with Laravel and PHP
- Coordinated with Pittsburgh Penguins to promote initiative in Pittsburgh region

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, HTML/CSS, PHP, JSON, SQL, XML, x86-64

Frameworks: Bootstrap, React, Node.js, Laravel, Flask, WordPress, Selenium, Beautiful Soup, Apache Velocity

Developer Tools: Git, GitHub, GitLab, VS Code, Visual Studio, IntelliJ, Eclipse, Informatica, Vim