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), Systems Programming (CS252), Relational Databases (CS448)
- Member of Purdue Hack the Future, Alpha Phi Omega, Sports Analysis Club, Intramural Sports

WORK EXPERIENCE

Data Analytics Intern   May 2024 – August 2024
Ally Financial   *Charlotte, NC*
- Utilized Figma, React, TypeScript, HTML, and CSS to build 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 within 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
- Executed support tickets to create, modify, and delete pages for Purdue facility with Cascade CMS
- Reduced broken links on legacy pages by 24% - fixed over 1,500 links

Head Code Sensei   September 2019 – September 2022
Code Ninjas   *Wexford, PA*
- Mentored children ages 7-14 with various programming projects in Scratch, JavaScript, and Lua
- Trained a total of 3 Sensei with grading, teaching, and student management
- Managed daily operations, including opening and closing procedures, demonstrating reliability and trustworthiness

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

Distinguished Medical Communications| *Figma, HTML, (S)CSS, JavaScript, jQuery*
- Built website using HTML, SCSS, Bootstrap, and JS/jQuery simulating a medical communications website
- Employed JavaScript localStorage to save user input across sessions, ensuring data persistence
- Awarded 2nd place at PA State Competition in Webmaster category for Technology Student Association

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, Vim