

Barkley Rhoat

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[Portfolio](#)

Technologies & Languages

- **Frontend:** HTML5, CSS, JavaScript, React.js, jQuery, Bootstrap, Material UI, PWAs, TypeScript, Figma
- **Backend:** Python, Flask, Express.js, API Design, AJAX, JSON, GraphQL, Node.js, Sequelize.js, Handlebars.js, Postman, Object-Oriented Programming
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Version Control & Deployment:** Git, GitHub, Heroku, Render, Visual Studio, Sublime Merge

Professional Experience

Harmelin Media / Software Engineer Intern

July 2024 - Current, Philadelphia, PA

- Leverage React.js and Material-UI to develop responsive front-end user interfaces to streamline company processes and meet end-user needs and requirements.
- Develop and expand backend architecture using Flask framework with implementation of PostgreSQL and MongoDB.
- Participate in software development cycles, including user sessions, version development, code reviews, developer and user testing.

Palmetto Surfacing Inc / Digital Laser Templator Technician

Sept 2020 - June 2024, North Charleston, SC

- Converted 2D/3D laser measurements into **DXF files** for integration with Easy Stone Programming software.
- Collaborated with cross-functional teams to optimize material installation and fabrication processes, ensuring project efficiency and accuracy.

Scramblers & Schemers / Digital Media & Marketing Specialist

Jan 2018 - Jan 2019, Burlington, NJ

- Conducted market research to identify trends contributing to business growth strategies.
- Assisted in designing and maintaining the company website, ensuring optimal functionality and a user-friendly interface.

Key Projects

[TasteBuds](#)

- Mobile-first application deployed on Heroku for users to access or create recipes and cookbooks.
- Utilized MySQL for efficient data storage and Express.js for dynamic recipe sharing and saving.

[Github](#)

- Mobile-first platform deployed on Render that allows users to book or contact musicians in their area.
- Integrated MongoDB for user data storage and developed the app using React.js and Express.js

Education & Certificates

Penn LPS Coding Boot Camp

Full Stack Web Development | Sept 2023 - March 2024

- Completed a comprehensive program focused on modern web development technologies and frameworks.

Indiana University of Pennsylvania

Bachelors of Arts in Journalism & Public Relations | Aug 2013 - May 2018

- **Activities & Societies:** PRSSA, SPJ

