

Patrice Brooks

Software Engineer

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SKILLS

- Programming Languages: HTML, CSS, JavaScript, TypeScript, Sass
- Frameworks: Nodejs, Express, AngularJS
- Libraries: ReactJS
- Databases: MongoDB, MySQL, Postgres
- Tools: Github, Postman, Adobe XD

EXPERIENCE

Software Engineering Immersive Flex | General Assembly | Remote | December 2020 – June 2021

Successfully completed 500+ hours of expert-led instruction in front-end development, backend development, and RESTful APIs

Developed projects, including:

- Blackjack21: Built with HTML, Javascript, and CSS - Blackjack casino game without the risk
- [Maiden's Choice](#): MVC Built with NodeJS, MongoDB, and CSS - Dog Toy/Treat Consumer Review RESTful API
- [\(!Spotify\)](#): Built with NodeJS, MongoDB, and ReactJS - Music API for playlist creation
- [Pup Shop](#): Built with MySQL, Express, ReactJS, NodeJS - Ecommerce API for pet needs

Senior Industrial Engineer | Denso Manufacturing TN | Maryville, TN | June 2017–Present

- Procured and managed multiple projects with budgets over \$0.5 million resulting in successful plant planning and ideal material flow.
- Used agile methodologies to reduce conveyance headcount from 10 to 6 associates with the introduction of electric PIV which had a ROI of less than one year, saving \$416k per year.
- Lead and serve on cross functional teams focused on new product planning, packaging, plant expansion, and automated guided vehicle (AGV) implementation.
- Designed and managed the start up of a new product packing area, resulting in an annual savings of \$400k per year, plus space savings of 6,400 sq ft within the production area.

Graduate Assistant | Indiana Tech Residence Life | Fort Wayne, IN | May 2016 - May 2017

- Assisted in staff development by supervising, training, and evaluating performance of 26 Resident Assistants.
- Managed tracked the department's operating budget of \$50K and assisted in planning 40+ events.
- Provided direct supervision over the Peer Educator Intern.

Manufacturing Intern | Brunswick Fort Wayne Operations | Fort Wayne, IN | May 2015 - August 2015

- Created standardized work for furniture assembly, resulting in a more straightforward new associate training.
- Designed and manufactured a cart to reduce scratches during handling and transportation of fences.
- Collected time study data to support justification for a \$100K capital investment purchase of measurement equipment to increase production of fence cutting.

EDUCATION

General Assembly | Software Engineering Immersive | Remote | 2021

Master of Science Engineering Management | Indiana Tech | Fort Wayne, IN | 2017

Bachelor of Science Industrial and Manufacturing Engineering | Indiana Tech | Fort Wayne, IN | 2016