Victoire Beaufils
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EDUCATION

Purdue University   West Lafayette, IN
Bachelor of Science in Computer Science, Minor in Psychology   Dec 2022
- Relevant coursework: CS (Software Engineer Track) – Programming in Java, Discrete Math, Programming in C, Algorithms & Data Structures, Computer Architecture, Systems Programming, Information Systems, Software Testing, Software Engineering I & II, Operating Systems (Current), Introduction to Relational Database Systems (Current)| Psychology – Cognitive Psychology, Abnormal Psychology, Introduction to Learning

EXPERIENCE

Course Instructor for CS 390: Web Application Programming   May 2021 – Dec 2021
Purdue University, West Lafayette, IN
- Curated slides, assignments, projects, and content to teach 60 undergraduate students about web development and the **MERN stack**, from **HTML** to React hooks, MongoDB, and hosting.
- Coordinated performance meetings, implemented student feedback, conducted assignment grading, and hosted help hours.

Research Intern for the Center for Depression, Anxiety, and Stress (CDASR)   May 2021 – Aug 2021
Mclean Hospital - Harvard Medical School Affiliate, Belmont, MA (Remote)
- Developed scripts for batch preprocessing EEG recordings to apply ICA (InfoMax), dipole fitting, independent component labeling to existing data.
- Migrated large **Python** game to **JavaScript** and jsPsych for portability.

SKILLS

Languages: HTML, CSS, JavaScript, Python, Java, C & C++, SQL, MongoDB
Frameworks and Libraries: Bootstrap, Node.js, Express.js, React, React Native
Tools: Git, UNIX, Linux, Adobe XD, Figma, MATLAB, EEGLab
Soft Skills: French (native), English (fluent), Spanish (proficient)

PROJECTS

TrackWrapped | Go, React, React testing, Tailwind CSS, Auth0, AWS | https://bit.ly/trackwrapped   Jan 2022 – Present
- Building a planner and habit tracker with journaling features as part of a 6-person team and writing frontend unit tests.
- Ensured responsiveness and advanced usability by making use of flexbox and creating a dark mode using **React Hooks.**
- Implemented a profile picture CRUD feature using Auth0, AWS **S3** buckets for storage, and React with Tailwind CSS for rendering.

Traveling Merchant | MongoDB, Express, React, Node.js | https://bit.ly/travelingmerchant
- Built an e-commerce web platform as part of a 4-person team following the **SCRUM / Agile** methodology.
- Designed and implemented a **React** web app with Stripe API integration.
- Created modular frontend components with **Bootstrap** and API calls.

SaveMyWallet | Python, Flask, SQL | https://bit.ly/3IR95F9   Jan 2021
- Developed a grocery budgeting application as part of a 3-person team using Flask and **SQL**.
- Built database UML diagrams and used GCP to host the database.
- Queried database for users to add, modify and delete user information such as grocery items, budget, or payment type

OTHER INVOLVEMENT

LEADERSHIP
President and Founder of the NeuroTech Society at Purdue | https://neurotechpurdue.com/   July 2021 – Present
- Founded an organization to foster interest in neurotechnology and create engineering projects with brain data.
- Received 4k grant for Brain-Computer Interface hardware and assembled and tested EEG headset for future projects
- Created engineering teams to facilitate project processes and developed onboarding guides.
- Managed and produced all social media and website content and facilitated event advertisement

PR Director for the Purdue Web Dev Club   Sept 2020 – Sept 2021
- Curated a mailing list of 150+ people and a discord server of 95+ people.
- Created workshop flyers and directed social media communication.

VOLUNTEERING
Dev Team Hackathon Organizer for Purdue Hello World (Frontend developer) https://bit.ly/3rcH1Ga   March – Sept 2021
- Implemented Design team UI for the hackathon website with a team of 6 developers.
- Created website components using the MERN stack & TypeScript.