

Zachary Bournand

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EDUCATION

UNIVERSITY OF FLORIDA | FL, United States

B.S. IN COMPUTER SCIENCE (*Cum Laude*)

August 2021 – December 2024

- Minor in Communication Studies

GPA: 3.36/4.0 (University of Florida)

O'CLOCK CODING BOOTCAMP | Paris region, France

IMMERSIVE FULL-STACK JAVASCRIPT PROGRAM

November 2020 – May 2021

- Specialized for a month in back-end development

ST. PETERSBURG COLLEGE | FL, United States

A.A. IN COMPUTER SCIENCE (*Summa Cum Laude*)

August 2019 – August 2020

GPA: 3.94/4.0 (St. Petersburg College & Santa Fe College)

SANTA FE COLLEGE | FL, United States

August 2018 – August 2019

- Part of the Honors Program

K-11 EDUCATION | Paris region, France

- Educated K-11 in France; attended lycée Saint-Aspais

WORK EXPERIENCE

EYROLLES | SOFTWARE ENGINEER INTERN

INTERNSHIP | Paris, France

June 2021 – August 2021

- Built a Symfony application to search among thousands of publications, write reviews (called “coups de coeur”), and print them in banner format
- Developed responsive Twig templates with CSS & Bootstrap; implemented PHP object-oriented design
- Designed a highly intuitive application to optimize the ease and speed of writing and printing reviews

SKILLS

TECHNICAL SKILLS

Proficient in:

 React  HTML  CSS  JavaScript
 Node.js  Express  Go  Python
 PostgreSQL  MySQL  Git  Linux

Familiar with:

 Angular  C++

Basic knowledge of:

 PHP  Symfony

SOFT SKILLS

Bilingual (native): English, French (U.S.-French citizen)

PROJECTS

RESEARCH COLLABORATION | PALLAS'S HUB (*Team of 5*)

PROJECT MANAGER / FULL-STACK DEVELOPER

August 2024 – December 2024

- Built and deployed a [research collaboration web app](#) in React (with Mantine) – Go (with Echo) that enables researchers to collaborate & search for funding opportunities
- Implemented user registration & JWT token authentication
- Built password recovery with code validation using Gmail
- Developed real-time group messaging with message reply, edit, and delete features via WebSocket
- Created group management features to enable owners to manage members, requests, and group deletion
- Implemented advanced filtering to find threads & grants by keyword, category, deadline & amount ranges, and sorting options

RESTAURANT FINDER | CRAVE FINDER (*Team of 4*)

FULL-STACK DEVELOPER

January 2023 – July 2023

- Built and deployed a [restaurant finder web app](#) that allows users to search for a restaurant in a given city and rate dishes
- Applied Scrum framework & managed tasks via GitHub issues
- Implemented session-based user management & developed data storage and retrieval features with JSON responses in Go
- Created back-end unit tests and documented the Go API
- Integrated the Yelp Fusion API to retrieve restaurant data
- Implemented and hosted a MySQL database on Oracle Cloud
- Developed Angular components that make HTTP requests, used Angular Material for UI & routing for seamless navigation

PREVENT WASTE OF MEDICINES | O'MEDOCS (*Team of 4*)

LEAD BACK-END DEVELOPER

April 2021 – May 2021

- Built and deployed an [e-commerce web app](#) for medical professionals to buy and sell medicines that expire in a few months (otherwise thrown away)
- Aimed to reduce the \$1.1 billion annual waste of medical products in France and cure more patients
- Created a RESTful API with Node.js/Express using CORS to communicate with the React/Redux front-end client
- Implemented JWT token-based authentication
- Performed SQL data migrations in PostgreSQL
- Led daily Scrum meetings