

# KYLA KNAUBER

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Ambitious Computer Science graduate with 3.88 GPA and proficiency in React, JavaScript, Java, C#, and C++. Motivated to apply academic knowledge and project experience to real-world software development, while contributing as a detail-oriented, collaborative, and results-driven team member

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## EDUCATION

### BACHELOR OF SCIENCE IN COMPUTER SCIENCE | CUM LAUDE

Penn State University | Harrisburg, PA

JANUARY 2022 – MAY 2025

- GPA: 3.88/4.0, Dean's List 8/8 Semesters
  - Upsilon Pi Epsilon Honor Society | 2024-2025
  - Relevant Coursework: Software Engineering, Design and Analysis of Algorithms, Netcentric Computing, Database Design
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## PROJECT EXPERIENCE

### BINGE INDEX | PERSONAL PROJECT

React, JavaScript, Firebase

JULY 2025 – PRESENT

- Developed interactive application with TMDB API to create an environment for users to view, search, and favorite movies, TV shows, and people. Responsive UI with pagination for larger volumes of data
- Integrated a secure login system with Firebase Authentication for users to keep track of favorite items
- Enhanced user experience, navigation, and search queries with React Router

### FACIAL PARALYSIS TRACKING APPLICATION | PENN STATE UNIVERSITY

React Native, Node.js, Firebase, Google Cloud API, TensorFlow, BlazeFace

AUGUST 2024 – APRIL 2025

- Developed a cross-platform application in collaboration with PSU Health's Facial Nerve Clinic which aids in communicating and tracking the treatment process of facial paralysis for patients and physicians. AI and ML integration in application's camera aids patients in uploading high-quality images for evaluation.
- Integrated efficient direct messaging capabilities with Firebase Authentication, Node.js, Google Cloud API
- Enhanced data storage and retrieval using Firebase Storage and Database in combination with Node.js

### MINI C COMPILER | PENN STATE UNIVERSITY

Java, JFlex, BYaccj

JANUARY 2025 – APRIL 2025

- Built a compiler for the Mini C language that performs lexical, syntax, and semantic analysis on input programs
  - Leveraged JFlex for lexical analysis and BYaccj for bottom-up parsing
  - Simulated a runtime environment to execute the input program if no errors are detected
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## SKILLS

- Java, C#, C++, Python
- React, JavaScript, Node.js, HTML, CSS, JS Frameworks
- MySQL, Firebase, Oracle, Web API, JSON
- MS Visual Studio 2022, Git, Jest, IntelliJ, WebStorm
- Critical thinking and problem-solving
- Collaboration, teamwork, conflict resolution