Jake Kressley

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Education

BS in Computer Science   08/2022 – 05/2026
University of Pittsburgh   Pittsburgh, PA
GPA: 3.74

Relevant Coursework: Data Structures and Algorithms 1 & 2, Computer Organization &
Assembly, Discrete Structures, Introduction to Systems Software, Software Quality
Assurance
Organizations: Computer Science Club (member), Intramural Basketball (captain),
MMA Club (member)

Experience

Front End Web Developer Intern   06/2023 – 08/2023
Advantexe Learning Solutions   Conshohocken, PA
- Developed interactive simulations using HTML, CSS, JavaScript, and API integration,
  from a wireframe to customer deployment.
- Thoroughly tested and fine-tuned existing simulations to ensure they met high
  standards of accuracy and reliability.
- Utilized comprehensive data analysis derived from previous client engagements to
  customize simulations, optimizing their effectiveness and alignment with client
  needs.

Projects

Focus Forge ⧉
- Leveraged React.js, Next.js, TypeScript, and Tailwind CSS to develop a feature-rich web application aimed at
  enhancing user productivity and focus.
- Engineered essential features such as Pomodoro timers, task trackers, and an extensive library of educational
  resources, empowering users to manage their time effectively and stay focused on their objectives.
- Implemented data persistence mechanisms with MongoDB, enabling the storage and retrieval of user progress,
  preferences, and achievements across sessions.

Hotter or Cooler
- Leveraged Node.js, Express.js, React, TypeScript, and MongoDB to create a comprehensive web application
  that seamlessly integrates both frontend and backend components.
- Successfully integrated external APIs to provide real-time temperature data from cities worldwide, enhancing
  user engagement with dynamic and up-to-date information.
- Utilized TypeScript across the project to maintain high code quality, enforce type safety, and facilitate easier
  maintenance.

Kress Kosmetics ⧉
- Collaborated closely with business analysts to infuse essential business insights into the simulation.
- Utilized HTML, CSS, and JavaScript to craft a polished and user-friendly interface (UI), ensuring an engaging
  and intuitive user experience.
- Accumulated 500+ unique runs of simulation.
- Implemented the Google Charts API to visually present complex data to users, enhancing comprehension and
  user experience.

Skills

Programming
JavaScript, HTML/CSS, Java, Python, TypeScript

Frameworks/Technologies
Git, GitHub, APIs/REST APIs, Bootstrap, ReactJS, MongoDB, Node.js, Express.js, TailwindCSS, Flask