BENJAMIN KINGA

GitHub: https://www.github.com/thescripted

Phone: (615)-354-7464
Email: bk527@cornell.edu
Location: Nashville, TN

Software Projects

Full-Stack Anonymous Message Service | May 2020

- Designed, developed, and deployed an anonymous messaging web application titled "Message in a Bottle" with **React** client-side rendering and **AWS Lambda** serverless back-end.
- Adopted modern React practices utilizing Hooks and Effects to replace component lifecycle methods and to maintain data flow, and adopted ES6 syntax with **Async/Await** calls and Promises.
- Version controlled and featured modified using best-practices with **Git** and **GitHub.**
- Developed and maintained CRUD mechanisms with Non-Relational Database **MongoDB,** built with **Mongoose** and controlled with CORS-enabled HTTP requests/response.

Python Article News Summarizer | April 2020

- Built a simple News Article Summarizer in **Python,** utilizing Natural Language Processing libraries and scikit-learn machine learning library, finding the relevant sentences and keywords in any news article.
- Maintained and designed data-pipelines for raw inputs, refactored and simplified code for future scalability, and currently developing **Flask** back-end for use as an **API**.

Trello Redesign and Copy work | June 2020

- Currently designing and implementing Trello.com with React client-side rendering, **Web Storage caching**, and CRUD back-end with PostgreSQL and **GraphQL**.
- Maintaining toolchain beyond create-react-app, via configuring **Webpack** and **Babel**. Incrementally adding necessary functions such as ESLint.
- Implementing Unit and E2E testing with **Puppeteer** and **Jest**. Particularly, testing user authentication and form validation with **JWT** on both client-side and server-side**.**

Work Experience

Arconic | Lancaster, PA

Mechanical Engineering Intern | Summer 2017, Summer 2018

- Generated over $10,000 in annual savings by optimizing current manufacturing processes through MATLAB, reducing manufacturing downtime and maintenance hours in 2017.
- Eliminated certain future equipment failures through analyzing root-based failure causes and implementing mitigation procedures on equipment used in four different manufacturing plant.
- Wrote and presented bidding specification, detailed documentations, and developed general administrative skills (e.g., scheduling meetings, Microsoft Office, Professionalism and Punctuality).

Skills

Programming Languages	Applications	Frameworks / Libraries
JavaScript (ES5/ES6), Python, MATLAB, Java	Android Studio, PyCharm, Git/GitHub, Netlify, Slack, VSCode, (Neo)Vim	React, Express, GraphQL (Apollo & Prisma), Webpack, AWS Lambda, NodeJS, Styled Components, Flask

Education

Cornell University	**University of Tennessee, Knoxville**
Bachelor of Science in Mechanical Engineering	Chancellor's Honors & Engineering Honors Program
GPA: 3.67	Uncompleted Degree	**GPA: 3.95**	August 2015 – May 2017