

BENJAMIN KINGA

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Work Experience

Admit Guru | New York, NY (Remote)

Software Engineering Intern | November 2020 - Present

- Developing and implementing the UI for Admit Guru's authentication and onboarding. This includes error handling and recovery for log in, sign-up, password recovery, confirmation, and profile creation.
- Contributed to Admit Guru's marketing website, built with **React** and **NextJS**, by building the main landing page. Accomplished with tools such as Asana and **Figma** for product organization and designer's mockups.

Open-Source Software

Contributor | September 2020 - Present

- *@SnowpackJS/Snowpack*: Wrote test suite for multiple plugins with **Jest**, including mocking Node processes and generating snapshots for **Snowpack**—a development-focused front-end build tool.
- *@Pytorch/Ignite*: Implemented a new feature for Ignite's main Engine. This gives users finer control on how to train their machine learning models. Developed in **Python**, including unit tests and documentations.
- *@Miodec/Monkeytypes*: Migrating legacy files and removing implicit imports into the project's new build process.

Personal Projects

"Calendo": Interactive Calendar Application | October 2020

- Currently developing a collaborative, interactive drag-and-drop calendar application—like Google Calendar—with **TypeScript** and **Flask**.
- Implemented the backend infrastructure to host multiple WebSocket connections per room, with **Redis** pub/sub, which allows multiple user's data to stay in sync.

"Trella": Copy work of Trello | August 2020

- Currently implementing Trello functionality with a **GraphQL** server and PostgreSQL database, developed in **Node** and deployed on AWS.
- Improving the Front-End by creating an interactive, "optimistic UI." This will provide instant feedback to the client, while performing data validation asynchronously.

Trading Analytical Tools | July 2020

- Developed a dashboard to analyze current market stocks and bonds. Built in React, **D3**, and **TailwindCSS**.
- Implemented a debounce method to improve search query performance, polled the API for real-time data, and handled automatic refreshes for generating access tokens to the external API.

Skills

Programming Languages

JavaScript, TypeScript,
Python, C, Java

Applications

Git, AWS (Amplify, EC2), MongoDB,
PostgreSQL, Redis, Node

Frameworks / Libraries

React, NextJS, Babel, Snowpack, Lodash,
GraphQL, Flask, Mongoose

Education

Cornell University

Bachelor of Science in Mechanical Engineering

GPA: 3.67 | August 2017 – October 2019 (no degree)

University of Tennessee, Knoxville

Chancellor's Honors & Engineering Honors Program

GPA: 3.95 | August 2015 – May 2017 (transferred)