

## Robinhood Recruiement Team

September 18, 2020

ROBINHOOD INC.

MENLO PARK, CALIFORNIA, UNITED STATES

### Job Application for Business Automation Engineer, Backend Intern

Dear Robinhood,

### Why Robinhood?

I'm excited to apply as a business automation engineer where I will contribute to democratizing finance for all. I use Robinhood myself and have seen what an effect it has had on the world by lowering the barrier of entry for investing.

### Why Me?

I'm a fast learner, love solving the engineering problems with little to no guidance, am strong with distributed systems, and build beautiful React UIs. This are the skills I showcased when working at the Harvard High Performance Computing this past summer, and when Co-founding Artifai.

During my time with Harvard High Performance Computing I increased the throughput of the account creation pipeline by **15** times, developed load tests using Locust, and built a React UI dashboard that enables non technical users to develop a thorough understanding of the Harvard super computer status. As part of my duties, I applied software engineering best practices to the backend and provided immediate solutions to unexpected problems.

By co-founding and developing Artifai, I became intimately familiar with the process of building distributed systems on GCP that enable amazing user experiences with React. We leveraged pytorch and complex serverless workflows to make for a seamless scalable user experience.

Your listed requirements closely match my background and skills. A few I would like to highlight that would enable me to contribute to your bottom line are:

- Highly skilled in Python, Javascript, Typescript, React, and Material UI
- Great design intuition
- Passion for supporting power users (Manjaro i3 Spacemacs)
- Experience with Docker and Kubernetes

Please see my resume for a longer list of my projects and experience in software development.

Thank you for your time and consideration. I look forward to learning more about the backend developer position and about Robinhood.

Best,

**Cole Killian**

*Attached: Curriculum Vitae*