VIVEK BHOOKYA

github.com/mrvivacious | mrvivacio.us | v.bhookya98@gmail.com | 309-660-2340

Bachelor's of Science, May 2020
Computer Science and Astronomy
University of Illinois at Urbana-Champaign

Programming
Proficient: TypeScript • JavaScript/HTML/CSS • Python • Java • Unix • Bash
Familiar: React • Dart/Flutter • OJET • Node.js • C/C++ • C# • Swift

Technologies
AWS/GCloud • Serverless computing • Infrastructure-as-code • REST • VCS • VUI • CI/CD if needed

Employment

State Farm | Software Engineer 2 | Sept 2021 - Present
• Working on State Farm Answers, an "Everything State Farm" search tool for our call center agents
• Lead and implemented homepage redesign with an employee focus group to better display company announcements
• Built notification system to alert users about unread announcements, like the Facebook notification feature
• Guided intern through implementing a Dark Mode feature for our site
• Improved mobile-friendliness of our tool's website with Oracle JET
• Helped set up GitLab version control for the dev team, onboarded and mentored new hire

Amazon | Software Development Engineer | Aug 2020 – Mar 2021
• The Amazon Scout delivery robot is an autonomous solution to Amazon's Last Mile problems and a step towards reducing Amazon's carbon footprint via a more electric delivery fleet
• (Team) Implemented Expedition Lifecycle Management Orchestrator, a decision-tree system that commands the Scouts in response to mission events (ex: customer reschedules delivery) in Java
• Built notification listeners + associated infrastructure (AWS CDK) to connect ELMO with other team services
• Ported route planning tool from JSX to TSX with JEST tests

Projects

PorNo! Porn Blocker | March 2018
• PorNo! "blocks" porn by redirecting the user from porn to a meaningful website of their choice
• Chrome Extension (HTML, CSS, JS) has 73K installs, published March 2019
• Android App (Java, Firestore) has 422K installs, published January 2019
• Optimized Android App to perform 8x faster (avg. 288 to 36ms) and use 5x less memory (avg. 700 to 140MB)
• World's first open-sourced porn blocker. Contributions welcome at github.com/mrvivacious

Samsung Bixby AI Assistant Developer Partner | February 2019 - May 2020
• Invited to work with Samsung to produce multi-modal AI Bixby apps after they found my Amazon Alexa work
• Built a positive message displayer app, an astronomy picture of the day app, and a Bhagavad Gita query app

Protest Pal mobile app | Summer 2020 | Dart/Flutter
• Protest Pal is a cross-platform, offline-first guide to more informed protesting, with tips on protesting during COVID-19, resources for bail in the Chicago area, handling arrest, and more
• I wrote the code, my friend wrote the content. This app was built to counter blocked cell-service at protests

Extra

Code Mentor | Volunteering | Spring 2023
• Guided 4th and 5th graders from marginalized communities through coding exercises and individual creative projects, carried out in MIT's Scratch language (I was bored and this seemed useful for the kids)
• This opportunity was made possible with a partnership between State Farm and Bold Idea

Moodsic at PYGHACK 3 Hackathon | Lodgic sponsor prize winner | September 2019
• PYGHACK 3's theme explored "House" + "Home", ie. "How does a physical entity become a personal space?"
• Moodsic plays music in response to a person's emotion, via Microsoft emotion API, to either enhance or set the mood