VIVEK BHOOKYA

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Education

BS in computer science and astronomy | University of Illinois, Urbana-Champaign | May 2020

Coursework
Intro to algorithms • Systems programming • User interface design • Computer architecture • Applied cloud computing
Computation in astronomy • Mobile sensing and applications • Intro to data science • Intro to computational ling

Programming
Proficient: JavaScript/HTML/CSS • Python • Java | Familiar: C/C++/C# • Node.js • Dart/Flutter

Technologies
AWS/GCloud • Firestore/DynamoDB • Alexa Voice Service • SVN/Git • Hadoop • Chrome API • iMovie

Experiences

Samsung Bixby AI Assistant | Application developer partner | February 2019 – Present
• Invited to work with Samsung to produce multi-modal AI applications for their Bixby AI service
• Built a positive message generator and an app to fetch astronomy pictures via the NASA APOD API

PorNo! URL-based porn-detection algorithm | Author | March 2018 – Present
• Wrote the world's first open-source URL-based porn-detection algorithm
• PorNo! addresses porn addiction by redirecting users from porn sites to meaningful and inspirational
user-submitted links, currently available as a Chrome extension and Android app

CodeQuest | Course developer, instructor | July 2018 - August 2018 | Bloomington, IL
• CodeQuest is a 20-hour course about algorithms, web development, Chrome extensions, Alexa skills, and databases
• The course site was built with HTML/CSS/JS, Firestore DB, and AWS Lambda/SNS for a makeshift email-system

State Farm | Software developer | Jan 2018 – May 2018 | Urbana, IL
• Wrote code to validate the numeric IDs inputted into an internal lookup tool for appropriate length, characters, and
no hyphens. Checkmarx was used to ensure the security of the code and corrections were made, if necessary

Projects

TheMes: Themes for Messenger | In progress | JS/HTML/CSS
• Customize the colors of the Facebook Messenger website, chat bubbles, and text colors
• Save the chosen colors as TheMes, such as a dark theme, pink theme, blue light filter theme...etc

Bhagavad Gita Alexa skill | In progress | Alexa Voice Service • Node.js • AWS Lambda/DynamoDB
• Listen to, query, and search-by-topic verses and English translations from the Bhagavad Gita, a Hindu scripture,
through voice commands

PorNo! Android app | Winter 2018 | Java • XML • Accessibility API • Firestore DB
• The Android port of the PorNo! algorithm, using Accessibility APIs to query URLs
• Optimized URL queries to 8x faster, reduced memory usage by 5x (700 to 140 MB), 69K installs in the first 7 months

Share Love Alexa skill, Github tutorial | Spring 2018 | Alexa Voice Service • Node.js • AWS Lambda/SNS
• Skill that makes it easy and fast to text loved ones a positive message, all with one sentence (a faster implementation
of the Magical Messages Android app)

LikeFree Chrome extension | Fall 2017 | JS/HTML/CSS
• Hides likes and notifications on the web versions of Facebook and Instagram in an attempt to help users disassociate
the value of content with "likes" received and possibly ease out of "posting for likes" and social media

Leadership

Siebel Hacks (SHacks) | President | Spring 2019+
• SHacks is a weekly hangout for coders to come work on non-academic projects, learn new tech, and have fun
• Past projects include a boba order history app, a fractal generator in Rust, and an app discussing consent in Flutter