VIVEK BHOOKYA

github.com/mrvivacious | mrvivacio.us | vbhook2@illinois.edu | 309-660-2340

Education

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

Coursework

Systems programming • User interface design • Data structures • Computer architecture • Applied cloud computing
Intro to computational ling • Mobile computing and applications • Computing in astronomy

Programming

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

Technologies

Alexa Voice Service • AWS • Firestore/DynamoDB • Android Studio • SVN/Git • Hadoop • Chrome API • iMovie

Experiences

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 in JavaScript and Java

CS196 (Honors intro to cs) | Head of Office hours, Project manager | August 2018 – May 2019 | Urbana, IL
• Organized a hackathon for 300 students, monitored OH attendance and efficiency, and taught a lecture about the Amazon Alexa
• Lead a group of students towards the completion of a minimum viable product

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 | Systems/IT Intern | Jan 2018 – May 2018 | Urbana, IL
• Wrote code to screen the numeric IDs inputted into an internal lookup tool for correct length, valid characters, and remove hyphens. Checkmarx was used to ensure the security of the code and corrections were made, if necessary

Projects

Bhagavad Gita Alexa skill (Backend) | In Progress | Alexa Voice Service • Node.js • AWS Lambda/DynamoDB/S3
• Listen to and query verses and English translations from the Bhagavad Gita, a Hindu scripture, all with simple 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 (8x faster) and reduced memory usage by 5x (700 to 140 MB), achieving faster redirection

PorNo! Chrome extension | Spring 2018 | JS/HTML/CSS • jQuery • Firestore DB • Chrome API
• The Chrome port of PorNo! includes real-time updates to the detection algorithm, cloud support for users' links, and more
• Optimized the redirection time to an average of 3 ms, supports 25k links, and gained 2k users in the first six 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 • jQuery
• 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

Hindu YUVA (Youth involved in Unity, Virtue, and Action) | President | Fall 2018+
• Led weekly discussions over Hindu practices and "taboo" topics, resulting in an increase of undergrad participation
• Worked with the school to host the Ganesha Chaturti festival to a 300+ audience