

# VIVEK BHOOKYA

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## Education

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

### Coursework

Data structures • Computer architecture • Discrete structures • Applied cloud computing • Computing in astronomy  
Tools and techniques for speech and language processing • Extraterrestrial life  
The big bang, black holes, and the end of the universe

### Programming

JavaScript • HTML/CSS • jQuery • Python • C++/C# • Java • Node.js

### Technologies

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

## Experiences

**CodeQuest | Course developer, instructor | Summer 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**

- C# was used to create and implement a secure input handler for a State Farm application that allowed information lookup for the IDs inputted and Checkmarx was used to ensure the security of the code written

**ATLAS | Mobile Intern | Sept 2017 – Dec 2017 | Urbana, IL**

- Worked in a team to resolve issues of and add improvements to the UIUC's primary academic app with JS
- Contributed directly to the Moodle codebase and communicated with the authors of Moodle

**Cloudquest Technologies, LLC | Freelance developer | May 2017 - Aug 2017 | Bloomington, IL**

- Designed an Android app to facilitate the forming of study groups at large universities and built a "storybook" website for a couple's relationship journey with HTML/CSS

## Projects

### Amazon Alexa

**Duel Assistant | Summer 2018 | Alexa Voice Service • Node.js • AWS Lambda/DynamoDB**

- Add, subtract, and view lifepoints during two-player YuGiOh duels, conveniently through voice

**Share Love, 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)

**Baby Words | Winter 2018 | Alexa Voice Service • Node.js • AWS Lambda**

- Teaches users vocabulary words through quizzes, acting as an "in-house tutor"
- Stochastic AI provides responses beyond "Correct/Incorrect" for UX enrichment

## Chrome extensions

**SpeedDial | Summer 2018 | JS/HTML/CSS • jQuery • Chrome API**

- Users may view and dial national and local support hotlines from Chrome, free with Google Hangouts

**PorNo! | Spring 2018 | JS/HTML/CSS • jQuery • Firestore DB • Chrome API**

- Counters porn addiction by redirecting users from porn sites to meaningful and inspirational user-submitted links
- Features automatic updates to the open-source porn-detection algorithm, cloud support for users' links, and more

**LikeFree | 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+**

- Responsibilities include organizing MyGanesha, an annual devotion to the Ganesh deity, inviting speakers to campus for presentations and discussions, and raising funds through students and local communities' sponsorships

**Peer&Career | Social chair | Fall 2017 – Spring 2018**

- Oversaw a team of three to organize a Halloween party and spoke about college/career possibilities to a local school