SATVIK SETHIA

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EDUCATION

University of Illinois at Urbana-Champaign   Urbana, IL
Bachelor of Science, Computer Science + Linguistics   *Expected May, 2021*

- 3.87 GPA (Dean's List)

RELEVANT WORK EXPERIENCE

Qualcomm   San Diego, CA
Software Development Engineer Intern   *May 2019 – August 2019*

- Designed and developed a web portal across the full stack.
- Leveraged AWS Lambda, DynamoDB and API Gateway in the backend and wrote the API in Python.
- Wrote CloudFormation scripts for all AWS services for one-click deployment in production.
- Learnt a JavaScript framework (Vue.js) and created a frontend for the portal.

Yupik Language Laboratory   Urbana, IL
Research Assistant   *Feb 2019 – Present*

- Revitalizing St. Lawrence Island (Siberian) Yupik, an acutely under-resourced indigenous language.
- Building an end-to-end direct Speech Translation model using deep learning.

University of Illinois – Department of Computer Science   Urbana, IL
Course Developer/Program Manager – CS125/196 (Intro to CompSci)   Aug 2018 – Present

- Worked on an IntelliJ plug-in in Kotlin, to facilitate development, used by 900 students every semester.
- Managing a music app project by helping create an MVP and assigning tasks to students.

Cashfree   Bengaluru, India
Software Development Engineer Intern   *Jun 2018 – Aug 2018*

- Wrote a heartbeat notification sender-receiver using Java, PHP, AWS SQS and SNS to alert all merchants of a bank service crash.
- Designed the demo for all products.
- Collaborated with the sales department and wrote two twitter bots in Python to generate leads, and used the Gmail and Streak CRM APIs to automate their addition to the CRM.

SELECTED PROJECTS

SyntaxTrees Made an application for generating the syntax tree of a sentence using the rules of the X-Bar Theory. Worked on constructing the trees in C++. Used openFrameworks v9.8 to display the trees.

PrecAgriWeb Creating a website to display data visualizations of high-precision agricultural information. Working on leveraging GCP services for the backend to efficiently store and retrieve geographic data.

SimpleDBG Working on a simple terminal-based debugger written in C, to debug other C programs.

SKILLS AND TECHNOLOGIES

Python, Java, C++, C, Kotlin, HTML, CSS, JavaScript, Vue.js, Node.js, PHP, CloJure, Racket, Flutter, SQL, MongoDB, Neo4J, Git, Heroku, AWS, GCP

EXTRACURRICULAR ACTIVITIES

Webmonkeys Chairing ACM's Webmonkeys Special Interest Group for web development.
SigNLL Member of ACM's Special Interest Group for Natural Language Learning.
Staff Writer Followed the Fighting Illini Sports teams for the Daily Illini – a student-run newspaper.