Ankur Sundara

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SUMMARY

I am a high school senior and will be attending University of Illinois - Urbana Champaign in the Fall of 2016. I am majoring in Computer Science, and my current areas of interest are complexity theory, information security, and machine learning. I am a full-stack developer who likes to turn ideas into reality.

PROJECTS

EyeSpy - My team's winning project for HackExeter. We used OpenCV's Java bindings to create a cross-platform application which allowed you to control your computer using only your eyes.

Alternative Splicing Research - Interned at the JHU Center for Computational Biology over the summer of 2015. Helped develop a novel algorithm for detecting mRNA alternative splicing events.

Textbook Checkout System - Created an efficient textbook checkout system for my school that allows teachers to keep track of books lent out to students using QR codes, a mobile application, and a database.

Minecraft Server Addons - Created several plugins for the Minecraft server mod Bukkit. Publicly published ones have received over 200k downloads in total.

ACCOMPLISHMENTS

- Leader of first place team for HackExeter 2015 Winter, and second place team 2016 Winter
- National finalist for NYU-Poly's High School Forensics competition (top 8 out of 800+)
- High placement in national cybersecurity competitions - TJCTF 2016 (1/500), PACTF 2016 (2/700), sCTF 2015q2 (3/850), sCTF 2016q1 (2/750), LASACTF 2016 (3/400), HSCTF 2016 (2/600)
- Platinum Division in USACO programming contests (highest division)
- Perfect score & first place in the American Computer Science League contests Intermediate 3 Division for 2015
- Leader of first place team for Dyn's Hack-A-Palooza (2014, 2015)
- Founder & President of high school's programming club
- 3-time qualifier for AIME, Co-captain of NH ARML math team

SKILLS

Programming Languages
- Java
- JavaScript
- Python
- Scala
- Haskell
- C
- C++
- Clojure

Web Frontend
- HTML5
- CSS/LESS/SCSS
- JavaScript
  - JQuery
  - AngularJS
  - React

Web Backend
- Meteor
- Sailsjs
- Node.js
- Play Framework
- Databases:
  - MySQL
  - MongoDB
  - PostgreSQL
  - Redis

Miscellaneous:
- Linux Server Administration
- Android SDK
- Ionic Framework
- Chrome Extensions
- OpenCV
- OpenGL