Ankur Sundara

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Summary: Student at UIUC majoring in Computer Science with a minor in Mathematics. Interested in challenging opportunities in software development.

Academics & Coursework:
- CS 125 - Intro to CS, CS 173 - Discrete Structures, CS 126 - Software Design Principles
- By Summer 2017: CS 225 - Data Structures, CS 241 - Systems Programming. CS 357 - Numerical Methods
- Expected graduation: May 2019

Work Experience:
- Software Development Internship *(Seceon, Westford MA, Summer 2016 - 6 weeks)*
  - Worked on screens for a new multitenant UI panel that allows clients to monitor multiple servers at once. Wrote Cassandra database queries to fetch server statuses and wrote Express routes for the application.
  - Technologies used: AngularJS, Node.js + Express, Apache Cassandra
- Research Internship *(CCB @ Johns Hopkins, Summer 2015 - 6 weeks)*
  - Worked under Dr. Liliana Florea to develop a novel algorithm to detect alternative splicing events in plants' mRNA from the splice graph representation of a gene.
  - Technologies used: Java, Python, R

Projects:
- CTF(x) *(Fall 2016)*
  - Created an online cybersecurity competition called CTF(x). Set-up server infrastructure, created problems, and advertised. Over 400 teams participated.
- Geopin *(Fall 2016)*
  - Created an Android clone of the popular app *Yik-Yak* as a learning experience. Allows users to make "posts" tied to their location, which other people can then view when they are nearby.
- LaundryAlert *(Summer 2016)*
  - Created a cross-platform mobile application using Flutter/Dart for students to monitor the status of laundry machines
- EyeSpy *(Spring 2015)*
  - A 1st-place winning hackathon project for HackExeter. Uses a computer's webcam to track eye movement and control the computer completely hands-free

Skills:
- Languages: Java, Python, JavaScript, C++, Rust, Dart, R, Scala, Kotlin, Clojure
- Web Backend: Express, Meteor, Flask, Play Framework, Django, PHP
- Databases: MySQL, MongoDB, Apache Cassandra, Redis
- Web Frontend: JQuery, Bootstrap, AngularJS, React
- App Development: Native Android, Ionic, Flutter
- Other: Git, SVN, Unit Testing, Docker, Vagrant, Maven, Gradle
- Familiarity with cybersecurity and pentesting tools

Awards & Achievements:
- First place winner of the 2016 State Farm Coding competition, Fall 2016
- Representative of UIUC at NYU's Cyber Security Awareness Week (CSAW) policy competition, 2016
- Top-10 finalist team (out of >800 teams) for NYU's CSAW'15 High School (Digital) Forensics competition
- High team placement in several national cybersecurity competitions - 1st place in TJCTF 2016, 2nd place in HSCTF 2016, 2nd place in TUCTF 2016, 2nd place in PACTF 2016
- Winner of Hack-a-Palooza (2014 and 2015) organized by Dyn
- Platinum division in USACO Algorithmic programming contests (highest division)
- AP State Scholar for New Hampshire with 16 AP classes taken