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

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

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:
- 1st 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
- Led my team and qualified as a top-10 finalist (out of >800 teams) for NYU's CSAW'15 High School (Digital) Forensics competition
- 1st place (out of 30 teams) in HackExeter organized by Phillips Academy, Exeter in Spring, 2015. Developed EyeSpy, a way to control computer cursor movement with eye movement. 2nd place in HackExeter, Spring 2016
- High team placement in several national cybersecurity competitions - 1st place in TJCTF 2016, 2nd place in HSCTF 2016, 2nd place in TUCTF 2016, and 2nd place in PACTF 2016
- Winner of Hack-a-Palooza (2014 and 2015) organized by Dyn (an internet performance management company)
- Platinum division in USACO Algorithmic programming contests (highest division)
- 1st place with perfect score in American Computer Science League contests in the Intermediate 3 division, 2015
- Captain of the NH State ARML Math team
- American Invitational Mathematics Exam (AIME) Qualifier in 2015 and 2016
- 2nd in state as a Junior, and 3rd in state as a Freshman & Sophomore in the NH SMASH math meets
- AP State Scholar for New Hampshire with 16 APs (2016), National AP Scholar (2016, 2015), AP Scholar with Distinction (2016, 2015, 2014)
- National Merit Finalist