

# Anindit Gopalakrishnan

CONTACT	224 637 5457 aninditg@berkeley.edu <a href="https://github.com/aninditgo">https://github.com/aninditgo</a>
EDUCATION	<b>University of California, Berkeley</b> <b>Expected Graduation: 2020</b> <i>BA Computer Science, Mathematics</i> Major GPA: 3.86 <b>Relevant Coursework:</b> Data Structures and Algorithms   Operating Systems   Machine Learning and Artificial Intelligence   Convex Optimization   Probability and Random Processes   Information Theory   Theoretical Statistics   Set Theory   Complex Analysis   Metric Differential Geometry
EXPERIENCE	<b>Facebook   Traffic Analytics</b> <b>Summer 2019</b> <i>Software Engineering Intern</i> C++, JAVA, HACK, Python <ul style="list-style-type: none"><li>· Implemented Traceroute for Android - a service where upon attempted HTTP requests, a traceroute probe is sent to the target IP Address. The results are logged into a MySQL database.</li><li>· Wrote various services to aggregate resulting data to provide visualization/analysis services for local ISPs and Facebook Network Targeting teams</li></ul> <b>Google   Video Ads</b> <b>Summer 2018</b> <i>Software Engineering Intern</i> C++, Java, Python <ul style="list-style-type: none"><li>· Worked on infrastructure to show interstitials before YouTube surveys</li><li>· Updated filtering procedures to determine which surveys had useful responses</li></ul> <b>CSM Coordinator</b> <b>Fall 2017 – Present</b> <i>Teacher, Coordinator   CS70: Discrete Math and Probability</i> <ul style="list-style-type: none"><li>· Undergraduate student instructor and coordinator for an introductory CS course's adjunct section, teaching Discrete Math and Probability Theory</li></ul>
AWARDS	<b>6th place, CS 170 Algorithms Contest</b>   6/250 in an Algorithm Design Competition hosted by UCB <b>USA Physics Olympiad</b>   semifinalist <b>American Mathematics Competitions</b>   two-time AIME qualifier, score of 8
PROJECTS	<b>Office-Hour Shift Assigner and Tracker</b> <ul style="list-style-type: none"><li>· Made an website to assign shifts for the Student Advocates Office (65 employees) after they entered availability</li><li>· used Googles ortools CSAT solver to formulate and solve the problem, drawing inspiration from this paper: <a href="http://shorturl.at/qsKQ1">shorturl.at/qsKQ1</a></li><li>· Built a sign-in system to track office hour attendance, so employees can sign in and out of their shifts by tapping RFID cards on a scanner</li></ul> <b>Polar Graphing App</b> <ul style="list-style-type: none"><li>· Made an app that draws parametrized representations of Rose Curves, Limicons, and Leminiscates</li><li>· Used to demonstrate to highschool students the nature of parametrization</li></ul>
SKILLS	Python, Java, C++, C, SQL