

# ARYAMAN TUMMALAPALLI

---

## Education

Expected Class of 2020	<b>COLUMBIA UNIVERSITY</b> Undergraduate Student, Science Research Fellow. Major: Computer Science   Minors: Physics & Math	New York, NY
June 2016	<b>SINGAPORE AMERICAN SCHOOL</b> Graduate, High School	Singapore

---

## Work Experience and Projects

Jun to Aug 2019	<b>FACEBOOK, INC.</b> Software Engineer Intern	Menlo Park, California
	<ul style="list-style-type: none"><li>Worked on Messenger Business team on Pagestatus Bot tool</li><li>Used Hack to write tool for surfacing metrics on business bot such as API success rates</li><li>Used Python to create a data pipeline for my tool, aggregating data from multiple sources</li></ul>	
Sep 2018 to present	<b>NATIONAL RURAL ELECTRIC COOPERATIVE ASSOCIATION</b> Junior Research Software Engineer	New York, NY (remote)
	<ul style="list-style-type: none"><li>Working on Department of Energy Grid Resilience and Intelligence Project (GRIP)</li><li>Optimizing open-source conversion libraries in Python for simulating power systems</li><li>Responsible for participating in full software development life-cycle</li></ul>	
May to Aug 2018	<b>CISCO SYSTEMS, INC.</b> Software Engineering Intern	San Jose, California
	<ul style="list-style-type: none"><li>Started project on container storage plugin for Kubernetes CSI for Cisco Hyperflex</li><li>Used Go along with Hyperflex backend to manage creation and attaching of volumes</li><li>Created Kubernetes services to deploy plugin, and made REST calls for backend services</li></ul>	
May to Aug 2017	<b>TALA SECURITY</b> Software Engineering Intern	Fremont, California
	<ul style="list-style-type: none"><li>Tala is a start-up that protects enterprise apps and end-users against data breaches and fraud using an agentless, automated solution</li><li>Took lead on project to benchmark client-side security of Alexa top 10000 websites</li><li>Used Java and Elasticsearch together with the existing web-crawler modules to gather and analyze data on potential insecurities</li><li>Built a module to run scans on order of 10000 sites, and rank them based on metrics such as number of inline scripts, client-side framework security capabilities, etc.</li><li>The module is now live and the data will be used as a part of their final product</li></ul>	
Jun to Aug 2016	<b>SEOUL EDUCATION CENTRE</b> Mobile App Developer & Computer Science Tutor	Singapore
	Led the programming of a SAT review mobile application for iOS. Tutored prospective Computer Science students on the foundations of mobile programming with Swift.	
Jun to Dec 2015	<b>QUIZLR (project)</b>	
	Online quizbowl study resource (quizlr.net) with ability to write and search digital flashcards; over 80 schools signed up since, including MIT, UChicago, UCSD, etc.	
Jul 2014	<b>UNIVERSITY OF ZÜRICH / CERN LHCb TEAM</b> Summer Intern	Zürich, Switzerland
	<ul style="list-style-type: none"><li>Worked on UZH/CERN LHCb team as a lab assistant.</li><li>Helped test prototype sensors for upgrade of detector.</li></ul>	

---

## Activities

Jan 2017, 2018, 2019	<b>DEVFEST HACKATHON, Columbia University</b>
2016	<b>QUIZBOWL TEAM, Columbia University</b>
2013 – 2016	<b>QUIZBOWL TEAM, Singapore American School: Co-Captain</b>
2015	<b>Asian Science Quiz Tournaments, Singapore: Co-Founder /First Tournament Director</b>
2012 – 2016	<b>Mu Alpha Theta (Math) Honor Society, Singapore American School: Officer</b>
2012 – 2016	<b>CHESS CLUB, Singapore American School: Founder / Co-President</b>
2013 – 2016	<b>Science National Honor Society, Singapore American School: Officer</b>

---

## Skills

- Experienced in Java, Swift, PHP, HTML/CSS, JavaScript, SQL, Python, C/C++
- English, some Hindi, some Mandarin
- Certified bartender, employed by Columbia Bartending Association