

# ANKIT GOYAL

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## WORK EXPERIENCE

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- Kofa** *Spark-backed data pipelining, automation, and self-service analytics platform (www.kofa.io)* 9/2016 – 9/2017
- Acquired by Facebook
  - Engineer #1 (joined pre-alpha)
  - Led frontend development from React & Redux architecture to testing and Django API design
  - Architected validation and error handling framework to throw errors based on user heuristics and inferred structured schemas
  - Built two-dimensional data lineage graph to handle extensible data branching and merging (supports thousands of operations)
  - Created visualizations on top of Spark ML to make algorithms more accessible to business analysts and product managers
- Gusto** *Payroll, benefits, and health insurance provider for small companies (www.gusto.com)* 6/2016 – 9/2016
- Kleiner, Perkins, Caufield, and Byers (KPCB) Engineering Fellow
  - Developed tools to detect fraudulent events; projected to save Gusto over \$250k per year in fraudulent payroll transactions
  - Spec'ed, designed, and deployed an identity verification framework to interface with U.S. government agencies
  - Architected anomaly detection service to automatically blacklist IPs and device fingerprints to expose fraud across accounts
  - Implemented and marketed message boards that encourage payroll admins and employees to enable two factor authentication
- Whatsgoodly** *Anonymous, location-based, survey platform (www.whatsgoodly.com)* 3/2015 – 11/2015
- Co-founder
  - Led mobile development team and contributed to Django backend
  - Raised \$500k (\$5M post-funding valuation) from Highland Capital Partners
  - Grew the product to over 300k users, 650k polls, and 150M votes
  - Recruited over 100 part-time employees across the country to manage local content and marketing

## EDUCATION

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- STANFORD UNIVERSITY 9/2014 – 6/2016, 9/2017 – 6/2018
- B.S. in Electrical Engineering**
- Grade Point Average** 4.00/4.00 (Major), 3.93/4.00 (Cumulative)
- Coursework** Computer Organization and Systems, Algorithms, Computer and Network Security, Databases, Machine Learning, Artificial Intelligence, Mathematical Foundations of Computing, Probabilistic Systems Analysis, Circuits, Signal Processing, Digital Systems Design, Multivariable Calculus, Ordinary Differential Equations (ODEs), Linear Algebra & Matrix Theory
- THOMAS JEFFERSON HIGH SCHOOL FOR SCIENCE AND TECHNOLOGY 9/2010 – 6/2014
- Grade Point Average** 4.55/4.00 (Weighted), 3.99/4.00 (Un-weighted)
- SAT** 800 Reading, 800 Math, 800 Writing (2400); **SAT Subject Tests** Math Level II (800), Chemistry (800), Physics (800)

## PROJECTS

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- Script** *Photo & video-editing applications* 9/2015 – 9/2016
- Developed, designed, and marketed Flipjam and PicCandy (iOS applications with a Firebase backend)
  - Flipjam ranked within the top 40 applications in the utilities category and the top 500 applications in the App Store
  - PicCandy peaked with 200k MAUs and ranked within the top 10 photo applications in Europe and Asia
- Handshake** *Cloud-based contact and social network sharing application optimized for colleges and conferences* 11/2014 – 9/2015
- Developed, designed, and marketed product (iOS/Android applications with a Ruby on Rails backend)
  - Enabled users to create/share personal contact profiles and groups of contacts through location-based services
  - Automatically synchronize user's local address book with current information of all contacts
  - Used by technology conferences in San Francisco and Washington D.C.
- MITRE** *Department of Defense government contracting organization* Summers 2012 & 2013
- Worked alongside Chief-Scientist Dr. James Ellenbogen to carry out Department of Defense-contracted work
  - Developed palm-sized robot and Android applications that are used by soldiers and first responders across the world

## ACTIVITIES

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- Pear VC Garage** 11/2014 – 9/2016
- 1 of the top 15 Stanford Computer Science students chosen as a Pear VC fellow
- Stanford Association for Computing Machinery (ACM)** 10/2014 – 6/2016
- Collaborated and coordinated with individuals and organizations (AWS, GitHub, Gayle McDowell, etc.) to host workshops
  - Provide Stanford students with hardware/software resources and mentorship to work on specialized projects
- Business Association of Stanford Entrepreneurial Students (BASES)** 10/2014 – 6/2016
- Organized 2015 BASES Challenge competition
- ENGR 103: Public Speaking Teaching Assistant** 1/2015 – 6/2016
- Led multiple classes of 25-30 students per quarter (comprised of undergraduate, graduate, Law, and MBA students)
  - Taught students how to organize/write speeches, analyze audiences, create/use visual aids, and deliver persuasive speeches
- Google Trailblazer** *Increase CS awareness across borders using Google's technology and resources* 8/2013 – 12/2013
- 1 of 37 students chosen in the world to further CS reform under the umbrella of Google in Education
- Gold-level Presidential Service Award** 2011, 2012, 2013, 2014

## SKILLS AND INTERESTS

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- Programming Languages** Javascript (ES6), Python, Java, Ruby, C, C++
- Web/Mobile Development** React/Redux/Thunk/Webpack, Django, iOS, Android, Node, d3, HTML/CSS, Rails, Firebase, Sketch
- Other Interests** Tabla (hand drums), Gloving, Bob's Donuts, Taco Tuesday, Audiobooks, Meal Prepping, Cold-brew Coffee