

# HARDIK GOYAL

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<https://hardikgoyal.com/>

## WORK EXPERIENCE

- Google** Mountain View, CA  
Software Engineer March 2020 – Present
- Developing new ways of 2-factor authentication for ChromeOS, tailored to the needs of enterprise customers
- Software Engineering Intern** June 2019 – August 2019
- Implemented LLVM fuzzer support for Avahi daemon running on ChromeOS to find and report inputs, from incoming MDNS packets, that could make the daemon vulnerable
  - Analyzed metrics service on ChromeOS to sandbox its environment, reducing a malicious attacker's access to less than 1% of the data, in case of a cyber attack
- Pocketgems, Inc.** San Francisco, CA  
Software Engineering Intern June 2018 – August 2018
- Integrated new post animations feature into Episode app using Objective-C and rolled it out to 10% of users, as an A/B test, which showed an increase in time spent on the social feed by 10%
  - Analyzed user activity on Episode's Social Feed and redesigned the existing algorithm to focus on content popularity which recommends new users to follow which helped create meaningful in-app experiences
- Launchbyte.io** Boston, MA  
Software Development Intern May 2017 – August 2017
- Implemented new features on three client websites and developed web applications with ReactJS to support 2 minimum viable products of new startups
- University of Southern California** Los Angeles, CA  
Undergraduate Teaching Assistant January 2017 – December 2019
- Led lab sessions and held office hours to guide a 200-student class in learning key concepts through projects

## EDUCATION

- University of Southern California** Los Angeles, CA  
B.S., M.S. in Computer Engineering and Computer Science Graduated: December 2019  
Minors: Computer and Digital Forensics, Entrepreneurship GPA – 3.6/4.0  
Honors: Renaissance Scholar, Dean's List

## LEADERSHIP AND INVOLVEMENT

- Director, Marshall International Business Case Competition, 2019** Nov 2018 – Mar 2019
- Led a team of 20 students to organize a 4-day case competition for 100 participants from 20 schools internationally
- Mentor, Asian-Pacific Student Association** August 2018 - May 2019
- Mentored 3 freshmen and guided them in key areas as they were transitioning into college
- Director, Splash SC** January 2016 – December 2018
- Oversaw operations of a team of eight people to organize semiannual Splash for 300+ high school students and increased participation by 30%

## PROJECTS

- Pix, Decentralized Photography Portfolio Manager** January 2019 – May 2019
- Developed a blockchain-based MVP for photographers to manage photo rights and understand its usage
- Forensic Investigation, ITP475: Advanced Windows Forensics** January 2018 – May 2018
- Testified at the LAX Courthouse for a cybercrime case investigation that I conducted using advanced forensics software
- Classbot, Smart Class Assistant** January 2018– May 2018
- Designed a chatbot, which helped students know about upcoming assignments with a text which saved students ~50% time. Validated product with customer feedback surveys, projected cash flow and A/B tests

## ACHIEVEMENTS

- Winner- Global Business Case Competition, Asian Pacific University, Japan** October 2018
- Third place - Sauder Summit, University of British Columbia, Canada** March 2019
- Encase Certified Forensics Examiner** January 2019 - Present
- Search and Rescue Scuba Diver** June 2014 – Present