# Julian Rachman

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## EDUCATION

**University of California, Irvine – Donald Bren School of Information & Computer Sciences**     **Irvine, CA**
*Bachelor of Science in Computer Science; Emphasis in Intelligent Systems*     *June 2022*

## WORK EXPERIENCE

**Pollenly**     **Santa Monica, CA**
*Data Growth*     *June 2019 – Present*
- Develop Instagram post object classification model to connect potential affiliates with brand partners and their products
- Build Instagram desktop direct messaging automation system to send first-contact messages to prospective brand ambassadors

**MediaHound, Inc.**     **El Segundo, CA**
*Data Engineer Intern*     *February 2019 – June 2019*
- Identified traits for movies and TV shows by using pushshift.io Reddit API to parse related comments on subreddits and conduct data analysis to identify the links and provide better recommendations for Mediahound's personalization platform
- Utilized Cypher, Neo4j's graph query language, to create visual connected graphs of movies and television series from various big streaming services via Python-parsed JSON objects

**The Aerospace Corporation**     **El Segundo, CA**
*Technical Intern, STARS Mission Operations Center*     *June 2017 – May 2019*
- Developed Python-based instant messaging system for logistical launch operation changes using Twilio back-end API framework; utilized by over 30 members of the launch support staff
- Analyzed architectures for post-flight telemetry analysis by using frameworks from Numenta and raw telemetry data from past launches; accelerated launch frequencies for SpaceX by approximately 20%
- Contributed to paper on synthetic telemetry for abnormality detection by benchmarking different anomaly detection methods using the generated telemetry; sparked new area of research for other scientists

## SELECTED INDEPENDENT PROJECTS

**UniGraph**
*Python*     *May 2019 – Present*
- Gather student and alumni employment history using LinkedIn API in order to develop an industry contact and employer network
- Identify career maps using LinkedIn profiles to provide students with a broader perspective on common and potential career paths

**LeetTools**
*Python; React; Node.js*     *March 2019 – Present*
- Design enhanced study tools and frameworks for LeetCode: the best platform to help you enhance your skills, expand your knowledge and prepare for technical interviews
- Adapt problem difficulty classifications in order to create study schedules based upon user-selected study pattern/pace, interview deadlines, and set milestones to develop technical skillset

**Algorithmic Stock Options Trade Advisor**
*Python; JavaScript; HTML*     *November 2018 – Present*
- Utilize and incorporate trading strategies, including RSI and MACD, to provide guidance for buying and selling stock options
- Implement interactive real-time display to provide users with visualizations of the data and calculations

## LEADERSHIP EXPERIENCE

**Lambda Phi Nu, Business Leadership Fraternity**     **Irvine, CA**
*Webmaster*     *May 2019 – Present*
- Maintain the Lambda Phi Nu website by updating active profiles and career statistics to enhance the organization's reputation
- Collaborate with the Alumni Relations Director to create quarterly Alumni newsletters to inform chapter of ongoing initiatives

**Undergraduate Business Association**     **Irvine, CA**
*Company Relations Director*     *March 2019 – Present*
- Engage professionals through networking at social events and conducting outreach to host workshops or speaking engagements
- Proctor informational events by preparing meeting rooms and providing technical support to recruiters and students

## SKILLS, ACTIVITIES & INTERESTS

**Technical Skills:** Proficient in Python; Familiar with C++ and Neo4j/Cypher; Experienced with Git, Unix/Linux, iOS, and AWS
**Activities:** HackUCI (Mentor); LAHacks (Mentor); HackSC (Mentor); Science Olympiad, Inc. (Exam Writer and Supervisor); Management Information Student Society (Mentor)
**Interests/Hobbies:** Options and Crypto Trading, Teaching, Ice Skating, Ice Hockey, Billiards, Photography and Videography