

Jonathan Cai

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Education

Aug 2017 – Aug 2021 **Rice University**, Houston, TX
Bachelor of Science in Computer Science, GPA: 3.88/4.00
President's Honor Roll: Fall 2018, Fall 2019, Spring 2020

Work Experience

May 2020 – Current **Facebook**, *Software Engineering Intern*, Menlo Park, CA.
Improved reliability and performance of network device config generation service.

Jun 2018 – Aug 2018 **JPMorgan Chase**, *Software Engineering Intern*, Houston, TX.
Processed asynchronous loan/bond data at scale (12,000+ hourly, 40+ properties).

Jun 2016 – Aug 2017 **Sihua Technologies**, *Software Engineering Intern*, Cupertino, CA.
Achieved 70% decrease in platform deployment time by reengineering CICD pipeline.
Engineered primary notification system for end clients through Gmail and Slack.

Other Experience

Aug 2018 – Current **RiceApps**, *Chair*, Houston, TX.
Lead 50 students in app development club.
Lead team of 7 students to build custom blog and website for a local non-profit.
Develop mobile food pickup system for on-campus vendors.

Aug 2019 – May 2020 **Rice University**, *Head Undergraduate Teaching Assistant*, Houston, TX.
COMP 322 Principles of Parallel Programming.
COMP 330 Tools & Models for Data Science.

Sep 2019 – Dec 2019 **Rice University**, *Undergraduate Researcher*, Houston, TX.
Built visualization tool for max affine spline operators (MASO).

Projects

Sep – Sep 2019 **DynaML**, *HackRice 9*.
ML research toolkit to simulate dynamic systems and apply graph neural networks.
4th Place at HackRice 9, Facebook Algorithmic Complexity Challenge.

Jun – Aug 2019 **News Sentiment**.
Researched 6 sentiment analysis methods on the news, measuring stock price correlation.

May – May 2019 **Rackr**, *Capital One Hackathon*.
Receipt scanning/tracking iOS app with personal finance metrics.
1st Place at Capital One Hackathon

May – May 2018 **News Visualization**, *AT&T Entertainment Hackathon*.
Illustrated a network of political figures related through news articles.
3rd Place at AT&T Entertainment Hackathon
All other work at jonathancai.com