

# Xian Kai Ng | Software Engineer

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## Academic Qualifications

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University of California Los Angeles

GPA: 3.9 / 4.0 • **Summa Cum Laude** • B.S. Computer Science • Dec 2019

## Employment Experience

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- **Appfolio Inc.** **Goleta, CA**  
*Software Engineering Intern* *Jun–Sep 2019*
  - Parallelized core architecture for 50% speedup of tenant screenings, 2nd highest income driver
  - Reworked 7 year old core front-end (screenings report) for modern design and legal compliance
  - Regenerated PDFs of reports in their original code version (!important)
  - Drove \$300,000 annual net revenue growth from programmatically suggesting renters' insuranceReference: Eric Hawkins
- **Procore Technologies** **Carpinteria, CA**  
*Software Engineering Intern* *Jul–Sep 2018*
  - 4x Database time reduction at scale (65k+ items)
  - 100K+ item, low latency search in npm @particles Select components
  - Full stack feature creation via customer support request
  - Database seeding; up to 50% faster CIReference: Ben Coffman
- **UCLA HSSEAS (UCLA Engineering)** **Los Angeles, CA**  
*Project Mentor* *Jun–Aug 2017*
  - Guided through intensive engineering design, build, test challenges • 29 international students
  - Lead mentor for making upgraded PONG game • JavaScript & HTML/CSS

## Selected Projects

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- Ball bouncing simulator (Java) • Gravity balls & explosive balls too
- Navigator (C++) • A-star algorithm; LA map data
- Text reminder for calendar (AWS, MEAN) • Designed to help World Relief

## More About

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- Won UCLA's undergraduate writing award (3 of 12,000 win) • On the Ethics of Transhuman Relationships
- I do Wushu (武术) • USA Collegiate Wushu Champion

## Languages, Tools, Buzzwords

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Google • Bash • UNIX • C • C++ • Golang • Git • HTML • CSS • JavaScript • MongoDB • NodeJS • Java • PostgreSQL • ReactJS • Ruby on Rails • StackOverflow • AWS • Machine Learning • Blockchain • Mentorship

Revised: Sep 23, 2019