Xian Kai Ng | Software Engineer

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Academic Qualifications

University of California Los Angeles

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

Employment Experience

Tesla **Palo Alto, CA**
Software Engineer *Feb 2020–*
- Zero-downtime upgrade of 5-year-old Elasticsearch
- Re-architect OTA update log ingestion to scale to 100x fleet size
- Remotely ramped up

Appfolio **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)
Reference: Eric Hawkins

Procore **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 CI
Reference: Ben Coffman

Selected Projects

- 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

- 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

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