JEFF CHEN

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💼 EXPERIENCE

Ladder Life — *Head of Security and Infrastructure* *May 2018 - present*

- Responsible for overall security posture, including risk management, employee training, and proactive and reactive responses to possible threats
- Directed infrastructure roadmap, including performance, metrics & alerting, and stability
- Collaborated with legal to build a comprehensive infosec program complying with life insurance regulations in all 50 states
- Negotiated contracts and managed relationships with IT and engineering third parties

Ladder Life — *Software Engineer* *Nov 2017 - May 2018*

- Enabled real-time metrics by reducing ETL latency from 24 hours to under 10 seconds
- Designed new CI/CD workflow to speed up developer productivity and reduce deployment risk
- Set up autoscaling infrastructure to handle traffic spikes of up to 20x baseline

Blend Labs — *Software Engineer* *Jul 2016 - Nov 2017*

- Enabled third-party "App Store" by supporting external data stores in the data model
- Directly impacted customer signing by developing several API endpoints and by improving platform performance by over 50%
- Dramatically increased release and developer velocity by automating regression tests and enforcing API contracts across microservices

National Security Agency — *Stokes Scholar* *Jun 2012 - Apr 2016*

- Implemented Linux IMA in Android devices using the embedded TrustZone secure environment for trusted boots
- Developed CNE operations tool for collection of computer-to-computer communications
- Wrote utilities for lightweight heuristic-based malware detection

Carnegie Mellon University — *B.S. Computer Science* *Aug 2012 - May 2016*

</> SELECTED PROJECTS

- Designed and developed **µCal**, a macOS menubar clock utility
- Created **MiniPlay**, a popular Chrome extension adding functionality to streaming music platorms
- Led development of **eva**, software for an autonomous submarine incorporating computer vision, control systems, and high-level planning
- Created **espresso**, a deep learning framework designed to produce Caffe-compatible maintainable yet performant code

⚑ SKILLS

Languages	Clojure(script)• Javascript/Typescript• Python• C++• C• Swift• Java• x86
Technologies	Cryptosystem design• *nix kernel• OpenMP/Open MPI• SIMD• CUDA/OpenCL• OpenCV• Embedded systems
Web	MEAN• React• LESS/SASS/CSS• Selenium• Socket.IO• jQuery