

Jeff Chen

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📁 EXPERIENCE

Blend Labs – *Software Engineer*

Feb 2016 – present

- Improved platform performance by over 50% by redesigning database interactions
- Developed several API endpoints critical to customer adoption
- Set up automated happy path testing, dramatically increasing release velocity
- Implemented consumer-driven contract testing across the external API
- Mentored new hires and interns

National Security Agency – *Stokes Scholar*

June 2012 – April 2016

Holder of TS//SCI clearance with special background investigation and polygraph

- Designed and implemented a software keyboard for Android devices that operates in the embedded TrustZone secure environment
- Implemented Linux IMA (Integrity Measurement Architecture) in Android devices
- Designed and developed CNE operations tool for collection of computer-to-computer communications
- Developed lightweight Windows anti-malware software
- Created network traffic visualizations, enabling analysts to easily spot anomalies

</> SELECTED PROJECTS

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|-------------------|---|
| Jan 2017 | Built chorebot , a Slack bot to track roommate chore rotation. |
| April 2015 | Created espresso , a deep learning framework designed to produce maintainable yet highly performant code compatible with Caffe. |
| Feb 2014 | Created MiniPlay , a Chrome extension adding functionality to web music players with over 1000 daily users. |
| Aug 2013 | Built a dynamic threadpool in modern C++11 to fill the gap in the C++ STL between <code>std::async</code> and <code>std::thread</code> . |
| 2010-2012 | Led development of eva , software for an autonomous submarine, incorporating computer vision, state machines, and control systems. |

🎓 EDUCATION

Carnegie Mellon Class of 2016 – *B.S. Computer Science* – 3.4/4.0

- Minor in Human-Computer Interaction
- Varsity track and field captain and school record holder

🔧 SKILLS

Languages Javascript/Typescript • C++14 • C • Java • Python • x86 • Rust

Technologies Cryptosystem design • *nix kernel development • OpenMP/Open MPI • SIMD • CUDA/OpenCL • OpenCV • Embedded systems

Web Node.js • MongoDB • HTML • SASS/CSS • Angular.js • Socket.IO • jQuery