

DANIEL CHOI

FULL-STACK SOFTWARE ENGINEER

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SKILLS

ANDROID DEVELOPMENT	Java ▪ Kotlin ▪ Android SDK ▪ Guava ▪ JUnit ▪ Mockito ▪ Dagger ▪ RxJava
WEB DEVELOPMENT	JavaScript (ES6) ▪ TypeScript ▪ React ▪ Redux ▪ Node.js ▪ Rails ▪ OAuth2
TOOLS & PLATFORMS	SQL ▪ Git ▪ Bash ▪ Cmd ▪ Splunk ▪ REST ▪ Python 3 ▪ Excel ▪ Photoshop

EXPERIENCE

TOAST

Software Engineer

BOSTON, MA

Oct 2017 – Present

- Converted menu modifier selection UI to model-view-intent (“Redux”) architecture; increased unit test coverage of 1200-line reducer function from 0% to 94%
- Designed and executed stories to enforce separation of business and presentation concerns in legacy POS ordering code, enabling adoption of command pattern in 5 months
- Implemented model-view-presenter architecture in check-splitting activity to improve testability; audited end-to-end tests to eliminate over 1 hour of obsolete test coverage
- Spearheaded development and rollout of fix for erroneous ingredient counts on live kitchen readout at restaurant chain with 5 locations, averting potential customer churn
- Led team of 3 engineers to stabilize 20 broken end-to-end tests by simplifying layout hierarchies, labeling view elements with IDs, and overhauling brittle UI selectors
- Augmented mobile-side and service-level code to allow authorized users to bulk edit checks after closing hours, fulfilling feature request with over \$500k in associated ARR
- Wrote, benchmarked, and executed database migrations to enable restaurant managers to configure required menu items and/or toggle menu search for waitstaff
- Planned and developed timer-based metrics around UI responsiveness, enabling data-driven insights into performance issues affecting kitchen and front-of-house workflows
- Write and review code in Java, Kotlin, and JavaScript to build features, fix bugs, and modernize legacy code in Android application, Play/PostgreSQL backend, and React components
- Diagnose “red flag” issues and develop high-priority patch releases during on-call rotation shifts
- Design health metrics and Splunk dashboards to monitor success of large-scale feature rollouts
- Onboard and mentor junior engineers; conduct technical phone interviews for SWE candidates

NYU LANGONE MEDICAL CENTER

Research Assistant

NEW YORK, NY

Oct 2014 – Aug 2016

- Developed Excel VBA, AutoHotkey, and batch scripts to eliminate 100+ hours of repetitive manual data analysis work; acknowledged in Molecular Pain (May 2016)
- Performed rodent surgery and calcium imaging experiments to investigate prospective chronic pain treatments; published as second author in Neuroscience (Jul 2018)
- Cleaned data on cognitive effects of NSAID use; published as second author in SIPAIN (Nov 2017)

EDUCATION

CORNELL UNIVERSITY, ARTS & SCIENCES

Bachelor of Arts, Computational Biology, 3.771

ITHACA, NY

Aug 2010 – May 2014

- Coursework in object-oriented programming, data structures, discrete math, and linear algebra