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| Daniel Choi  Android software engineer | |  | | |
| 300 Columbia St, Cambridge, MA 02141 | | |
| Mobile telephone number 615-477-3291 | Email address ygdanchoi@gmail.com | |
| Title: Website - Description: Portfolio website [ygdanchoi.com](https://ygdanchoi.com/) | Title: LinkedIn - Description: Linkedin profile page [ygdanchoi](http://www.linkedin.com/in/ygdanchoi) | GitHub profile page [ygdanchoi](http://www.github.com/ygdanchoi) |
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| Skills | | | | |
| Android Development | Android SDK ▪ Java ▪ Kotlin ▪ Espresso ▪ JUnit ▪ AssertJ ▪ MVP ▪ RxJava | | | |
| Web Development | JavaScript ▪ TypeScript ▪ React ▪ jQuery ▪ HTML ▪ CSS ▪ Ruby on Rails | | | |
| Tools & Platforms | SQL ▪ Git ▪ Bash ▪ JIRA ▪ REST ▪ Agile/Scrum ▪ Photoshop ▪ CompTIA A+ | | | |
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| Experience | | | | |
| Toast Boston, MA  *Software Engineer* Oct 2017 – Present   * Implemented MVP architecture and command objects to improve reliability and testability of mobile check-splitting UI; replaced 60+ min of end-to-end tests with <10 sec of JUnit coverage * Developed functionality to allow permissioned users to select multiple checks and perform bulk edit actions; fulfilled feature request with over $500k in associated annual recurring revenue * Investigated and overhauled buggy component for displaying kitchen item counts for high-profile customer identified as churn risk; coordinated patch rollout to 5 locations at accelerated pace * Write and review code in Java, Kotlin, and Groovy to build features and fix bugs on Android POS application, Play Framework backend/web app, and Selenium-based end-to-end testing suite   NYU Langone Medical Center New York, NY  *Research Assistant* Oct 2014 – Aug 2016   * Developed, executed, and transcribed protocols for rat surgery and calcium imaging experiments on prospective chronic pain treatments; published as second author in [Neuroscience](https://www.sciencedirect.com/science/article/abs/pii/S0306452218304585) (Jul 2018) * Authored Excel VBA, AutoHotkey, and batch scripts to automate repetitive data analysis tasks, eliminating 100+ hours of manual processing work; acknowledged in [Molecular Pain](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4956369/) (May 2016) * Pre-processed clinical data on Alzheimer’s Disease patients using vertical lookups and conditional logic to examine cognitive effects of NSAID use; published as second author in [SJPAIN](https://www.sciencedirect.com/science/article/pii/S1877886017302185) (Nov 2017) | | | | |
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| Education | | | | |
| Cornell University, Arts & Sciences Ithaca, NY  *Bachelor of Arts, Biological Sciences* Aug 2010 – May 2014   * Concentration: Computational Biology | | | | |
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| Projects | | | | |
| CitySounds [Live](https://city-sounds.herokuapp.com) ▪ [GitHub](https://github.com/ygdanchoi/city-sounds)  *React/Rails REST API-based application for playing ambient city soundscapes around the world*   * Provides CRUD interface for uploading, editing, and tagging user-generated tracks and albums * Utilizes Amazon S3 cloud storage to serve audio files, album artwork, and user avatars via HTTPS * Dispatches centralized Redux actions to seamlessly manage audio playback between views   Atari Tempest Lite [Live](https://ygdanchoi.com/atari-tempest/) ▪ [GitHub](https://github.com/ygdanchoi/atari-tempest)  *Browser game powered by vanilla JavaScript and inspired by the classic 1981 arcade shooter*   * Leverages OOP and trigonometry to project HTML5 Canvas vectors onto three-dimensional tube | | | | |