

John Rizkalla

 [linkedin.com/in/john-rizkalla](https://www.linkedin.com/in/john-rizkalla)

johnrizkalla.com

github.com/jrizkalla 

Key Qualifications

- > Versatile technical expertise spanning low-level systems to full-stack web development
- > Exceptional problem-solving skills with a talent for dissecting and managing complex projects
- > Strong collaborative abilities and effective team communication
- > Adaptable learner with a passion for emerging technologies

Technical Skills

Languages: Python, C/C++/Objective-C, TypeScript/JavaScript, Swift, Haskell

Markup: HTML, SCSS, LaTeX, Markdown

Libraries: Django (with Django Rest Framework), Angular, SwiftUI, Combine

Databases: SQL and Postgres

Education

University of Waterloo — Bachelor of Computer Science

2013 - 2017

- > Double majored in Computer Science and Psychology
- > Graduated with distinction, maintaining an 88% major average
- > Consistently recognized on the Dean's Honors List for academic excellence

Work Experience

Software Engineer at Apple — Human Engineering Software

January, 2021 - present

- > Engineered a sophisticated full-stack web application using [Django](#) and [Angular](#), implementing complex approval logic based on user responses
- > Designed and developed reusable frameworks and libraries in [Python](#), [Django](#), and [TypeScript](#), serving as foundational components for multiple applications
- > Created and maintained a robust webservice that seamlessly integrated with [GitLab](#) and [Radar](#) systems via [webhooks](#)
- > Contributed to the development of an [iOS application](#), implementing full-stack features utilizing a [Django](#) back-end and [SwiftUI](#) front-end

Software Engineer at Apple — Core Brightness

July, 2018 - December, 2020

- > Developed and implemented sensor and backlight controller [drivers](#) for ambient light sensors, LCD display brightness, and keyboard backlight across Apple Devices
- > Engineered [system-level daemons](#) to manage display-related features, including True Tone and Night Shift
- > Led early efforts to bring up display brightness (including auto-brightness), True Tone, and keyboard backlight functionality for Apple Silicon

Software Engineering Intern at BlackBerry

May, 2016 - August, 2016

- > Optimized a Python back-end, reducing LDAP login and permission lookup time from over 10 seconds to under 0.5 seconds
- > Developed a web application to efficiently export large datasets from a legacy Oracle database system
- > Integrated the web application within the Oracle database using [Java](#) and [PL/SQL](#), enhancing data accessibility
- > Created multiple Python and HTML/CSS/JavaScript applications to streamline exported data search processes