Kenneth J. Park

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EDUCATION

Rutgers University, School of Arts and Sciences | New Brunswick, NJ

Bachelor of Arts in Computer Science, Minor in Data Science | Expected January 2027

Relevant Coursework: Data Structures, Computer Architecture, Data Management for Data Science, Discrete Structures

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, Java, Swift

Frameworks & Libraries: FastAPI, React, SwiftUI, Node.js, Vite, Pandas, NumPy

Tools & Technologies: PostgreSQL, SQLite, REST APIs, pytest, Git, GitLab, GitHub Actions, Docker

SOFTWARE EXPERIENCE

Rutgers Center for Urban Policy Research - Data Informatics Group

Full-Stack Software Developer, Student Worker | New Brunswick, NJ | June 2026 - September 2026

- Built and maintained a FastAPI/PostgreSQL and React platform to manage Census ACS data for Rutgers' Bloustein School.
- Fixed data synchronization by reconciling frontend/backend REST endpoints and resolving a PostgreSQL schema conflict in the ingestion pipeline.
- Migrated a static HTML/JavaScript admin portal to React and Vite with client-side routing and reusable components.
- Built a pytest API test suite with coverage reporting and documented development setup and team onboarding.
- Normalized raw ACS variable metadata into human-readable labels for the data platform.

OpenQQuantify

Software Intern | New Brunswick, NJ | June 2025 - December 2025

- Developed programs for internal workflow automation; analyzed and refactored application code and investigated performance issues.
- Collaborated with a cross-functional team on testing, debugging, and software documentation.

SELECTED PROJECTS

Lanewise - League of Legends Companion | Swift, SwiftUI, macOS

- Built a SwiftUI macOS companion integrating League client and live-game APIs for player scouting, match history, and an overlay with spell timers and lane statistics.
- Implemented concurrent-request deduplication and a six-hour memory/disk cache for build data; adjusted polling to game state to limit redundant network work.
- Published downloadable macOS releases on GitHub and added a build script supporting Apple silicon and Intel app bundles.

Bookmark API | Python, FastAPI, SQLite, pytest

- Built a FastAPI/SQLite bookmark service with CRUD, tag filtering, and pagination; enforced URL validation and uniqueness with Pydantic and database constraints.
- Verified CRUD, restart persistence, validation, and conflict handling with isolated pytest databases; passed GitHub Actions tests on Python 3.11 and 3.14.

CSV Quality Check | Python, CLI, GitHub Actions

- Built a Python CLI to flag missing values, duplicates, and malformed CSV records before import, with JSON reports and exit codes for scripted quality checks.
- Covered parser edge cases and CLI errors with pytest; passed automated GitHub Actions checks.

ADDITIONAL EXPERIENCE

Rutgers Civic Square Building - Front Desk Supervisor | October 2025 - Present

Supervise building access and visitor check-in; handle inquiries, scheduling support, and accurate records.