Isaiah Yoon

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EXPERIENCE

Earnin – Software Engineer, Bank Connection Team   *September 2017 – Present*
- Developed with C#, used agile-like methodologies to meet weekly sprints and quarterly goals
- Reviewed code daily for pull requests relevant to the bank connection domain
- Used Jenkins, Git, and Microsoft Unit Test Framework to ensure high quality code and releases
- Addressed backend customer support issues with query analysis and code fixes in the bank connection service

SCS Noonan Scholars Summer Academy @ USC – Computer Science Teaching Assistant   *June 2017 – August 2017*
- Used Java and Eclipse to teach computer science to 19 rising undergraduates
- Lead labs and project-based coursework, including a GUI Hangman implementation and hashed password authentication
- Analyzed student performance and feedback to build a more effective curriculum

UC Berkeley College of Environmental Design - Computer Resource Assistant (Work-study)   *April 2014 – May 2017*
- Used Excel and VBA scripts to implement transaction system for college's architecture materials store
- Automated inventory updates and receipt emailing during the checkout process
- Gathered feedback from cashiers and managers to fix bugs, implement feature requests, and improve UI
- Used in production August 2015, and logged more than 1500 transactions by time of graduation

PROJECTS

Redis Cache Utility - Earnin   *April 2018 – June 2018*
- Built a utility for cache-first data access, checking a local cache then a Redis cache, then falling back on a modular function
- Refactored an IP to hostname resolver to use cached data, calling a built-in DNS utility as fallback
- Refactored an expensive bank query involving multiple joins to prefer cached data, reducing round-trip time 2.5x

Quovo Integration - Earnin   *January 2018 – April 2018*
- Contributed primarily to building out the bank connection flow to retrieve bank data using the Quovo API
- Used code-first migrations to create/update database tables, added logic for CRUD operations on relevant database data
- Built infrastructure for AB-testing, with customizable configurations for tuning the amount of daily users
- Analyzed logs and ran queries once deployed to production, making patches for edge cases
- Used success metrics to compare cost savings relative to alternate bank data providers – saved millions of dollars

Monolith to Microservices Migration - Earnin   *September 2017 – December 2017*
- Optimized query performance and split cross-domain joins while migrating from Microsoft SQL Server to Amazon Aurora
- Redesigned RESTful APIs for internal bank connection service using OpenAPI & C#, for usage by other services

EDUCATION

University of California, Berkeley - Berkeley, CA   *August 2013 - May 2017*
B.A. Computer Science and Cognitive Science, GPA 3.5

Coursework: data structures, algorithms, computer architecture, discrete math, probability theory, networks, security, artificial intelligence, databases, product management

SKILLS

- **Languages:** Java, C#, Python, HTML, CSS, Javascript
- **Technologies:** .NET, Ruby on Rails, Redis, AWS
- **Development Tools:** Git, Rider, Target Process, test driven development, paired programming, Jira