

# Isaiah Yoon

## Work Experience

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### Eamin – Backend Software Engineer, Bank Connection Team

September 2017 – Present

- Developed with C#, used agile-like methodologies to meet weekly sprints and quarterly goals
- Collaborated with team through paired programming and paired code review sessions to write robust, well-tested code
- Monitored daily deploys to production with Jenkins and an array of analysis tools (Periscope, Logentries, Kibana)
- Performed ops duty responsibilities on rotation, addressing backend anomalies relevant to the bank connection domain

### 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

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### Redis Cache Utility - Eamin

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 - Eamin

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 percentages at bank granularity
- Analyzed logs, metrics, and queries once deployed to production, making patches for edge cases

### Monolith to Microservices Migration - Eamin

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

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### 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

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- **Languages:** Java, C#, Python, HTML, CSS, JavaScript
- **Technologies:** Git, Rider, Visual Studio, MySQL, .NET, Ruby on Rails, Redis, AWS, Jenkins, JSON, XML, Tetris
- **Development practices:** agile, test driven development, paired programming, continuous integration/deployment