

Andrew Ryu

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EDUCATION

University of Washington, Seattle, WA Mar 2022 - Jun 2022
Full Stack Web Development Certificate GPA: 4.0
Relevant coursework: Software Engineering, Object Oriented Programming, Data Structures and Algorithms, MERN

University of Washington, Seattle, WA Jun 2013
B.A. in Mathematics

TECHNICAL SKILLS / ACTUARIAL EXAMS

Exams: P, FM, SRM, VEE Economics, VEE Accounting and Finance, VEE Mathematical Statistics
Languages: JavaScript, CSS3, HTML5, SQL
Frameworks: Bootstrap, Node.js, React JS, GitHub, Express.js
Databases: MongoDB, MySQL, MS SQL

PROFESSIONAL EXPERIENCE

Premera Blue Cross, Mountlake Terrace, WA Sep 2019 – Feb 2022
Actuarial Analyst

- Built actuarial models by writing SQL queries and advanced formulas in Excel to monitor the utilization for Covid related claims, which helped discover a \$2.7m discrepancy in claim processing.
- Managed the Premera database by automating SQL queries using Netezza, SQL Server, Access, and Visual Studio.
- Improved a complex model to calculate clients' premium increase for budgeting and projections by consolidating multiple queries into a single query, reducing the overall data-pulling time by 30%.

Symetra - Bellevue, WA Feb 2019 – Aug 2019
Finance Actuarial Intern

- Created a VBA Macro to automate the process of extracting data from multiple sources, reducing the processing time by 91% from 5.5 hours to 30 minutes.
- Managed five actuarial models using MG-ALFA by shocking the baseline models with different stressed scenarios to determine the impact on Gross Premium Valuation.

Arthur J. Gallagher & Co. - Bellevue, WA Oct 2017 – Feb 2019
Benefit Analyst

- Managed 50+ clients' benefit options and communicated with consultants to deliver analysis for each insurance carrier's proposals, resulting in a successful renewal rate of 93%.
- Negotiated deals regarding clients' benefit options and rates with the insurance carriers by providing clients' claims and trend analysis, which led to a rate reduction for 50% of our clients.

Arthur J. Gallagher & Co. - Bellevue, WA Dec 2016 – Sep 2017
TPA Account Administrator

- Implemented a new staff training program as the newest team member and created a booklet of detailed instructions on how to use GBAS, an internal software, which now is being included in the new employee package.
- Resolved any issues with a subscriber's account by communicating with the insurance carrier representatives. The average turnaround time was within two hours.

JnD Solutions at Samsung Telecommunications America - Bellevue, WA Jul 2013 – Jul 2014
Software QA Test Engineer

- Improved the UI test cases by reviewing user requirements and technical specifications for Samsung pre-production mobile devices, which reduced the testing time by 25%.

PROJECTS

Blog Application May 2022

- Developed a full-stack application using JavaScript and RESTful API where users can share reviews of their favorite books.
- Developed an interface for users to Create, Read, Update, and Delete (CRUD) reviews and comment on other users' reviews. Integrated it with user login authentication, live chat feature, and stored details of book and user account information in MySQL database.

Meme Generator - Project Manager, GitHub Admin Apr 2022

- Created a meme-generating app using JavaScript, targeting avid meme users, to create a personalized meme using Imgflip API.

Shopping List Jul 2022

- Developed a shopping list app using JavaScript with local storage and React hooks such as useState and useEffect.
- Developed an interface for users to add an item, delete an item, adjust the quantity, checkmark the purchased item, and clear the entire list.