Daniel Koronthály

1939 14TH CT NE, Issaquah, WA 98029 · +1 (425) 305-0409

daniel@koronthaly.net · LinkedIn

Education

Western Washington University, Bellingham, WA

- Master of Science in Computer Science in progress
- Expected graduation in June 2025

Western Washington University, Bellingham, WA

- Bachelor of Science in Computer Science, Minor in Mathematics
- GPA: 3.94/4.0, graduated magna cum laude in December 2022

Central Washington University, Ellensburg, WA

- Took Running Start classes for Junior and Senior years of high school
- Qualified for Dean's List all 6 quarters (finished with 3.92 GPA)

Experience

Costco: Software Developer – Intern (1/17/2023 – 4/7/2023)

Interned in the Enterprise Service Integration team, which is responsible for pipeline configuration.

- Focused on transition from on-prem IBM DataPower devices to Azure cloud resources
- Worked on utility to list expiring client secrets in Azure Active Directory
- Gained understanding of various infrastructure choices and their consequences

Obtained certificate AZ-900: Microsoft Azure Fundamentals

VMware: Member of Technical Staff – Intern (6/13/2022 – 9/4/2022)

Worked as part of the CloudHealth Secure State team (now VMware Aria Automation for Secure Clouds). This product identifies potential security risks for GCP, Azure, or AWS accounts in real time.

- Fixed a security flaw in the existing activation/deactivation Bash script by adding support for OAuth token exchange
- Used Go to implement AWS Lambda to process API Gateway requests to enable real-time updates on a provided CloudHealth Secure State account
- Implemented unit tests, performed end-to-end integration testing, configured alarms, and created a service dashboard to monitor service health

Undergraduate Research at Western Washington University

Participated in research focused on aiding communication with non-verbal children with autism, using linked emoticons, colors, and tunes to convey emotions and feelings.

- Resulted in publication presented at UbiComp 2022. "To Aid Emotion Expression for Non-Verbal Autistic Individuals, In an App, Less (Features) is More (Better)"
- Implemented Android application for non-verbal children with autism, using IntelliJ Idea with Kotlin for Android
- Learned about implementing accessible UX to account for potential motor control issues, to eliminate misclicks and reduce user frustration

Graduate Teaching Assistantship at Western Washington University

Working as a TA alongside master's degree, assisting and teaching students in weekly lab sections:

- CSCI 330 – Database Systems
- CSCI 145 – Computer Programming & Linear Data Structures (Java)

Publications

- Jamey Albert, **Daniel Koronthály**, Samantha Dobesh, Zafir Nasim, Ilaana Khan, Shameem Ahmed, and Moushumi Sharmin. To Aid Emotion Expression for Non-Verbal Autistic Individuals, In an App, Less (Features) is More (Better). Poster at the ACM international joint conference on pervasive and ubiquitous computing (UbiComp 2022)

Certifications

- AZ-900: Microsoft Azure Fundamentals (Granted April 12, 2023, no expiry date)

Skills

- Go, C, C#, C++, Java, Kotlin, Python, MATLAB
- AWS Lambda, Amazon API Gateway, Amazon SQS
- Azure Infrastructure, Azure Functions
- Strong mathematical background
- Human-Computer Interaction
- Fluent in English and Slovak

Interests

- Played for Collegiate Rocket League team representing my school in tournaments
- Interested in game development (some experience in Unity and Blender)
- Volunteered at Issaquah Food Bank
- Organized board game meetups