Zhanbolot Eraliev

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EDUCATION:

Lake Washington Institute Of Technology   Kirkland, WA

BACHELOR OF SCIENCE – COMPUTER SCIENCE (expected in 06/2027)

- **GPA: 3.770**
- Honors: Dean's List (3 quarters), Phi Theta Kappa Honor Society
- Relevant Courses: Object Oriented Programming (OOP), Data Structures, Algorithms, Java

EXPERIENCE:

Supreme Court of Kyrgyz Republic, Bishkek, Kyrgyzstan   July 2025 - October 2025

Software Development Engineer Intern

- Developed and deployed RAG based AI agent "**Kalys**" to analyze 19 constitutional documents, improving legal document search efficiency **by 70%** for a team of **50+** court employees.
- Engineered a data pipeline using Tesseract OCR to process over 5,000 pages of complex legal PDFs, reducing manual data entry time **by 95%** and creating a scalable Pinecone database of over **100,000** vectors.
- Implemented a Hypothetical Document Embeddings (HyDE) retrieval mechanism that enhanced context relevance **by 40%** and reduced hallucination rates in the LLM responses **by 15%**.

KurultAI R&D Club, Seattle, WA   Aug 2024 - Present

Mentor & Co-Founder

- **Won 1st Place** in the QuackHacks hackathon, leading a 6-member team. The winning project, PolyPredictorKit, is a browser extension providing analytical and risk assessment tools for beginner traders.
- Led a 6-member team to win the **Best Use of AI award** at hackathon Codeday by developing an automated Visual Novel Creator. Engineered the full-stack integration of Stability AI for scene image generation, and Ren'Py to package the final interactive experience.
- Developed a curriculum on data structures and algorithms, which improved the problem-solving skills of over **30 members**. Post-program assessments showed a **40%** increase in performance on mock technical interview questions.
- Scaled club membership **by 66%** through targeted outreach for people and the **organization of 10+** workshops and contests, attracting engineers from Google, Microsoft, and Amazon.

SKILLS:

- **Languages:** Python, Java, JavaScript, TypeScript, Swift, Sass, HTML/CSS
- **AI & Machine Learning:** LangChain, AWS Bedrock, Scikit-learn, Pandas, NumPy, TensorFlow, Tesseract OCR
- **Databases:** PostgreSQL, Pinecone, MySQL, MongoDB, Redis
- **Cloud & DevOps:** AWS (S3, EC2, Lambda), Firebase, Docker, GitHub Actions, Git, Kubernetes
- **Frameworks & Web:** Node.js, Express.js., React, FastAPI, Django, Tailwind CSS, Bootstrap, UiKit, Puppeteer, SQLAlchemy, tRPC, Prisma, Redux, Material UI
- **Developer Concepts & Tools:** Object-Oriented Programming (OOP), Algorithms, Data Structures, System Design, REST APIs, GraphQL, Risk Management, QA, Scrum, Unit Testing, Jira, Trello, Postman, Xcode Tools, Jupyter