AARON CHOI

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SKILLS & ABILITIES

- Python, C#, C++, Java, Semantic Kernel, Promptflow, Familiar with Tensorflow/Pytorch
- CI/CD environment development: Azure DevOps, Kubernetes, Concourse, Docker, Bash Scripting, Linux
- Full Stack Web/Cloud Development: Microsoft Azure, Javascript, Vue, MongoDB/MariaDB, SQL, KQL

PROFESSIONAL EXPERIENCE

Software Engineer II—*Microsoft*   *July 2021- Current*

· Designed and implemented a Prompflow backend agentic system to troubleshoot on call issues and file tickets for team queue to save hundreds of hours spent investigating and following up with teams on issues

· Created meeting summarizer with GPT-4 used by teams to summarize meetings and save hundreds of hours

· Created internal Azure OpenAI service chatbot trained on internal documentation to answer hundreds of questions

· Designed an automated system to file LSIs for build/test system for the entire DW org

· Created KPIs to measure efficiency of org and created a pre prod environment to save tens of hours per developer

· Created a new process in the build/test system to ensure product stability for hundreds of developers

· Pivoted next gen data warehouse work to act as test clusters to improve publish time to five teams.

Software Engineer—*Cincom Systems Inc*.   *Sep 2018-July 2021*

· Acquired charter customer by implementing hundreds of vital features, generating tens of thousands of dollars.

· Allowed for critical jobs like build, test and pushing to prod to be run by creating 11 pipelines for Concourse.

· Greatly reduced load, which saved 73% of memory by getting rid of thousands of redundant REST calls

· Reduced runtime of pipeline by 50% by working with DevOps to identify critical memory leaks in pipelines.

· Applied ORM to map thousands of SQL and NoSQL entities to tree data structures used in decision rules.

· Boosted processing speed of decision rules by 600% by analyzing runtimes and restructuring our API.

ACTIVITIES/PROJECTS

- Competed in the 2018 PyTorch Scholarship Challenge from Facebook using Pytorch.
- Founded the UC MTG club as President during Freshman year, which had 20 members.
- Finished in top 20% in Google Cloud & NCAA ML competition using Tensorflow.
- Developed a Machine Learning senior design project with Tensorflow for the card game Euchre.
- Engineered a deckbuilder used by hundreds of users. http://www.culdceptcentral.com/visualbuilder/cr3ds/#
- Collaborated with colleagues on four UC, two Siemens PLM Software and two Microsoft hackathons.
- Created three real-time widgets with webhooks for my Twitch channel, which hit affiliate in March 2020.
- Created Discord Chatbot using Azure OpenAI service and Discord API for personal and community use

EDUCATION

Bachelor's of Science in Computer Science, University of Cincinnati   *2013-2018*