Charlie Parker

(403) 991-5287 | charlie8parker@gmail.com | linkedin.com/in/charlie-dl-parker | github.com/NotKilluaZ

SKILLS

Languages: Python, C, C++, JavaScript, TypeScript
Technologies: PyTorch, OpenAI API, Google Cloud API, AWS Bedrock, NumPy, Pandas, Matplotlib

EXPERIENCE

Project Manager – Microsoft Azure & Artificial Intelligence   Jul 2025 - Aug 2025
Story City

- Directed a 6-member AI consulting team for Story City, a GPS-based creative storytelling startup
- Earned **Azure** and **AI Fundamentals** certifications, applying cloud services to client use cases
- Delivered AI integration report with diagrams and a cloud roadmap to guide scalable growth
- Migrated story data from DigitalOcean Kubernetes into GraphQL, enabling structured queries, and visualized **5,000+ nodes** in Cytoscape.js to facilitate intuitive nonlinear story navigation

Online Data Analyst – AI Team   May 2025 - Aug 2025
Telus International

- Analyzed **1,500+** AI speech clips in TryRating, producing structured metrics for TTS refinement
- Evaluated **1,000+** search engine queries for intent alignment, improving NLP ranking accuracy

PROJECTS

Portfolio Risk Navigator | *PyTorch, Python, Streamlit, yFinance*   Live Demo

- Built a risk analysis app for returns, volatility, and allocations, enabling real-time simulation
- Trained an **LSTM** in **PyTorch** to forecast 1–30 day volatility, reducing prediction error rates
- Integrated Streamlit + Plotly dashboards to show returns, allocations, and a portfolio health score
- Streamlined yFinance ingestion and NumPy/pandas pipeline, **reducing runtime by 25%**

AI Voice Assistant | *Python, OpenAI API, AI Speech Recognition, Tkinter*   GitHub

- Built a voice assistant with OpenAI API and Google Speech Recognition for context-aware replies
- Designed a Tkinter GUI with 4 live panels, processing voice queries with **sub-200ms latency**
- Integrated text-to-speech feature, achieving **95% transcription accuracy** in test conversations

AI Cats vs Dogs Classifier | *Python, PyTorch, OpenCV*   GitHub

- Trained a custom CNN model on Kaggle image dataset, achieving **92% validation accuracy**
- Applied data augmentation (flips, rotations, crops) to help improve model generalization by **7%**
- Enabled real-time computation and display of webcam inference confidence scores at **25 FPS**

EDUCATION

University of Waterloo   Waterloo, ON
Bachelor of Software Engineering, Specialization in Artificial Intelligence   Sep 2024 - May 2029