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Major	Institute	Year	GPA/%
Software Engineering - Artificial Intelligence	Centennial College	2021-2024	4.3/4.5

SUMMARY

- Proven Lead Software Engineer with 3.5+ years of experience. Led engineering teams and delivered high-impact solutions including ML models. Strong expertise in full-stack development, transformers, and GenAI.

SKILLS & TECHNOLOGIES

- **Languages:** Python, TypeScript, JavaScript, Java, C#, PHP, Kotlin, Go, SQL, PL/SQL

- **Frameworks:** TensorFlow, PyTorch, scikit-learn, React, Next.js, Node.js, .NET, Flask, Chalice, FastAPI

- **DevOps:** Docker, Kubernetes, AWS, Azure, GCP, CI/CD, RabbitMQ, Prometheus, Grafana

- **Data:** Pandas, NumPy, Matplotlib, Spark, Hadoop, Kafka, Airflow

- **Tools:** Git, Selenium, Jira, Trello, Linux

- **GenAI:** RAG, LLM, Prompt Engineering, LangChain

- **Databases:** MySQL, PostgreSQL, MongoDB, Redis

WORK EXPERIENCE

- **Lead Software Engineer** | *Sun Glow Window Coverings Ltd.*　　　　　　　　　*Jan 2023 – Present*

  - Lead and mentor a 2-member development team, implementing Agile methodologies and establishing best practices that have increased team productivity by 25%
  - Design and establish coding standards, code review processes, and documentation practices to enhance team collaboration and code quality
  - Built and deployed a Naive Bayes machine learning model for HomeDepot order processing, reducing processing time by 20% and saving 50 work hours monthly
  - Establish and lead technical strategy meetings, driving adoption of emerging technologies and making architectural decisions that shape the company's technical direction
  - Architected and developed 3 high-performance Next.js/React applications from scratch, implementing advanced optimization techniques that improved site performance by 40%
  - Streamlined development operations by designing CI/CD pipelines, reducing deployment time by 50% and implementing automated testing to increase code reliability
  - Initiate quarterly business reviews and cross-functional meetings, identifying operational bottlenecks and implementing solutions that improve workflow efficiency
  - Propose and implement key technical initiatives to management, including microservices architecture and AI integration, resulting in new revenue streams

- **AI Engineer (Internship)** | *Tandem Experiences*　　　　　　　　　*Sept 2024 – Dec 2024*

  - Architected end-to-end AI dating transition system for GenZ users, featuring multi-stage NLP and LLM pipeline
  - Built advanced NLP pipeline using VADER sentiment analysis to extract mutual interests between profiles
  - Implemented TF-IDF scoring and cosine similarity algorithms to validate profile matching accuracy
  - Designed parallel processing system for simultaneous entity extraction and geospatial computations
  - Developed dual-phase LLM system for point of interest category generation and personalized date invitations
  - Created intelligent venue filtering system using Google Maps API, geographical constraints, and user preferences
  - Built FastAPI architecture orchestrating data flow between NLP, LLM, and location services
  - Achieved 95% success rate across comprehensive system integration testing

- **Software Developer** | *Dreamz Academy*　　　　　　　　　*Apr 2020 – May 2021*

  - Developed an IELTS training application using C# for an immigration consulting firm during the pandemic
  - Engineered multiple interactive page views for Listening, Reading, and Writing, with automated evaluation
  - Enhanced operational efficiency by significantly reducing manual work, facilitating remote learning for students

PROJECTS

- **Encoder-Decoder Transformer LLM** | *TensorFlow* 2023
  - Built a transformer LLM from scratch achieving 85% accuracy on Reddit chat data
  - Optimized inference time by 30% using curriculum learning, maintaining model performance
  - Based on Google's Research Paper "Attention Is All You Need"

- **RNN Text Generator Model** | *TensorFlow* 2023
  - Engineered an LSTM-based RNN to generate coherent and grammatically accurate text
  - Demonstrated capabilities similar to GPT models in natural language generation

- **GPT Portfolio** | *Next.js* 2023
  - Designed a portfolio leveraging LLM to generate real-time, personalized content
  - Implemented prompt engineering with Gemini to enhance user experience

- **Custom Fan Helios** | *C#* 2022
  - Developed a widely adopted software to control fan speeds on Acer Helios laptops
  - Maintained a user base of over 500 with regular updates and support

KEY ACHIEVEMENTS

- Google Foobar Invitation: Received an invitation to Google's secretive Foobar hiring process in 2018, highlighting exceptional problem-solving skills and coding expertise

- Arctic Code Vault Contributor: Earned the prestigious Arctic Code Vault Contributor Badge in 2020, recognizing contributions to open source projects

- Community Contributions: Active early involvement in the SA:MP community, developing scripts and tools that became widely used and respected