Jeremy Luu

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EDUCATION

University of Pittsburgh August 2022 – April 2026
Bachelor of Science in Computer Science *Pittsburgh, PA*
- **GPA**: 3.97/4.00
- **Coursework**: Data Structures, Algorithms, Foundations of AI, Database Management Systems, Linear Algebra, Software QA, Web Applications, Discrete Structures, Human Language Technologies
- **Extracurriculars**: PittCSC Officer, Intro to Python TA, Symphony Orchestra Co-concertmaster, Ski Club

EXPERIENCE

Character.AI May 2025 – August 2025
Software Engineer Intern *San Francisco, CA*
- Led development of AI chat features (character creation, dynamic greetings, and multi-greetings) with React Native, Python, and Go, adopted by 20M monthly active users.
- Prompt engineered post-trained OSS LLMs including DeepSeek and Qwen to provide a more roleplay-centric greeting message, increasing session count by 5%.
- Created, pitched, and pioneered sound effects, a configurable and scalable AI chat immersion feature using R2 Blob storage, React Native, and Statsig, which is served over 60 million times per day.

PNC Bank May 2024 – August 2024
Software Engineer Intern *Pittsburgh, PA*
- Developed business process models using ARIS, providing data analysis of 2 enterprise-level processes for teams of 30+ enterprise architects and engineers.
- Automated cloud readiness assessments in Python, streamlining 50% of the previously manual process.
- Supported migration of 2 applications onto the cloud through AWS and Azure cloud architecture diagrams to increase scalability by 150%.

Comcast May 2023 – August 2023
Cybersecurity Intern *Philadelphia, PA*
- Validated encryption and data loss prevention controls across Comcast NBCUniversal's AWS environments, supporting the Global Audit team and driving 10+ successful audit findings with no critical issues.
- Researched and presented best practices for ECS, EKS, and Fargate, creating future auditing guidelines that improved cloud audit readiness for 15+ auditors and technical leads.
- Collaborated with 4 interns to design and scope a new parental controls feature for Xfinity's X1 app, enabling parents to manage hotspot access and strengthening platform safety.

PROJECTS

Scam Shield | *React, FastAPI, OpenAI GPT-4, Twilio Voice API, ngrok* 1st Place Cybersecurity - HenHacks
- Built real-time scam detection system by integrating Twilio Voice API's WebSocket media streams with OpenAI GPT-4's chat completions API, processing live call transcriptions through FastAPI async endpoints.
- Developed a React dashboard with real-time monitoring and authentication for scam alert visualization.

Dwag Bot | *Node.js, Instagram API, Playwright, Discord Webhooks* Tool for PittCSC's Social Media Team
- Built a social media content aggregation bot for Instagram/TikTok DMs, boosting content discovery by 200% and enabling PittCSC's 20+ person media team to ideate campaigns directly from one dashboard.

EchoLens | *React, MediaDevices, Flask, OpenAI API* Best Social Good Hack - BitCamp
- Built a react web-app that enabled continuous narration of the objects in a user's surroundings, aiding the visually impaired and achieving a real-time latency of <2 seconds.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, C, C++, SQL (Postgres), HTML/CSS, Rust, Go, Swift
Frameworks: React, React Native, Node.js, Flask, JUnit, FastAPI
Developer Tools: Git, Statsig, Amplitude, Docker, Kubernetes, AWS, GCP, Twilio, ngrok, Linux, Microsoft Office
Libraries: react-native-paper, react-native, pandas, NumPy, Matplotlib, PyTorch, OpenCV, scikit-learn
Concepts: Artificial Intelligence, Agile, RESTful API, CRUD, Microservices, Audit, Business Process Models