

Nicholas Wanner

nickrwann@gmail.com | 832.349.0727 | www.linkedin.com/in/nick-wanner

EDUCATION

TEXAS A&M UNIVERSITY

BS IN COMPUTER ENGINEERING

MINOR IN CYBER SECURITY

May 2021 | College Station, TX

Summa Cum Laude

hello GPA: 3.94 / 4.0

COURSEWORK

UNDERGRADUATE

Data Structures & Algorithms

Computer Architecture & Design

Operating Systems

Principles of Data Science

Artificial Intelligence

SKILLS

LANGUAGES

C/C++ • Python • C#

JavaScript • CSS • Node.js

TOOLS

Git/Github • MySQL • PostgreSQL

Seaborn • Pandas • Matplotlib • Numpy

EXPERIENCE

DELL | SOFTWARE ENGINEER, CTO SOFTWARE PoC TEAM

June 2021 - Present | Austin, TX

- Implemented an MLOps pipeline on Databricks, migrating data warehousing and setting up an integrated environment for AI/ML model development, testing, and deployment, enhancing the efficiency and governance of the AI development lifecycle.
- Executed an AI/ML model optimization project, leveraging ONNX Runtime and various quantization tools (Microsoft Olive, Hugging Face Optimum, ONNXMLTools) to enhance model performance and efficiency for specific hardware targets.
- Filed five patents in gaming and wireless technology areas
- Reduced gaming latency jitter with novel wireless data transfer techniques
- Wrote embedded code for "NYX" wireless PC controller project revealed at CES 2022
- Led proof of concept development for intelligent workstation setup recommendations

DELL | SOFTWARE ENGINEER, CTO TECH STRATEGY TEAM

June 2021 - Present | Austin, TX

- Optimized system resource sharing with supervised ML techniques
- Designed software and hardware architectures for new product incubations
- Collaborated with stakeholders and vendors to mature business infrastructure

DELL | SOFTWARE ENGINEER INTERN

June 2020 - Aug 2020 | Austin, TX

- Developed incubations within the Office of the CTO
- Led incubation hardware and software architecture design
- Developed a POC for new touchpad technology using C# and .NET framework
- Initiated patent documentation for touchpad technology

TEXAS A&M | PEER TEACHER

June 2019 - Aug 2019 | College Station, TX

- Taught *Intro to Computer Systems* to 35 students
- Developed and adapted lesson plans for individual and group work

THOUGHT TRACE | DATA SCIENCE INTERN

Jan 2018 - Aug 2018 | Houston, TX

- Developed web applications for machine learning data labeling and QA feedback
- Provided fully populated ontology for front-end UI validation
- Engaged in SCRUM and team problem-solving with data scientists

PROJECTS

MULTI-INSTRUMENTAL TACTILE SYNTHESIZER (MITS) | TOOLS: ARDUINO, SWIFT, REAPER (DAW)

Built gloves translating hand gestures into digital instruments using Arduino and DAW

RECEIPT READER | TOOLS: NODE JS, HTML, CSS, GOOGLE APIS

Developed a web application for uploading receipts and extracting information using OCR

MEASUREMENT GLOVES | TOOLS: ARDUINO, FLUTTER

Built gloves to measure drone pilots' grip, transmitting data to a mobile device in real-time