Nicholas Wanner

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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
- 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