Nathan Chung

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EDUCATION

Texas A&M University   College Station, TX
Bachelor of Science in Computer Science - GPA: 3.6/4.0   *Expected May 2028*

Relevant Coursework: Programming I, Intro to Computing, Program Design and Concepts, Discrete Structures for Computing, Linear Algebra

EXPERIENCE

AI Engineer Intern   June 2025 – Present
Arkane Digital   *Remote*
- Developed and deployed 10+ AI-powered Raikoo workflows with Python, TensorFlow, and scikit-learn, reducing manual front-end development time by 60% and accelerating feature roll-out across teams.
- Engineered and implemented multi-component generation logic with advanced data preprocessing, supporting 20+ UI configurations and revamping front-end scalability and consistency by 35%.
- Integrated and fine-tuned deep learning and NLP models into design-to-code systems, increasing developer throughput by 40% and refining automation accuracy across all React component builds.

Software Developer Intern   August 2022 – May 2024
Edikt Studios   *Frisco, TX*
- Designed and created 4 game prototypes in Unity and Unreal Engine with a team of 3+ developers, leveraging C++ and C# to administer core game play logic, interactive UI elements, and level design mechanics.
- Integrated 20+ 3D and 2D assets into game engines, utilizing physics-based interactions and scripting for enhanced realism and user immersion, which boosted overall gameplay experience by 25%.
- Tested and optimized game features across builds, employing Agile methodologies and version control tools (Git, SVN) to streamline software development life cycle and ensure stable, efficient iteration.

Front End Developer Intern   June 2023 – March 2024
Arkane Digital   *Remote*
- Built and deployed 10+ responsive web components using HTML5, CSS3, and JavaScript, meliorating user interaction time by 25% and elevating accessibility compliance scores by 20% across all devices.
- Developed and optimized front-end features with React and Next.js, lowering average page load times by 30%, boosting SEO ranking by 15%, and cutting down critical rendering path issues by 35%.
- Enhanced and tested dynamic pages leveraging Angular, Vue.js, Node.js, and Express achieving a 99.9% uptime rate and resolving 95% of bugs before deployment by utilizing Git/GitHub in an Agile workflow.
- Collaborated with team to troubleshoot accessibility and performance issues, improving web accessibility compliance by 18% and driving a 40% increase in profile views and a 22% rise in LinkedIn follower engagement.

PROJECTS

Arkane Digital Webpage Enhancement | *React, JavaScript, HTML/CSS, Next.Js, Git*   March 2024
- Architected and implemented a comprehensive landing page featuring 5+ interactive components leveraging React and Next.js, resulting in 35% improved user engagement and 25% longer average session duration.
- Implemented responsive design patterns with HTML/CSS and JavaScript across 15+ page layouts, ensuring optimal user experience on desktop, tablet, and mobile devices with 98% cross-browser compatibility.
- Optimized component loading and rendering performance using React hooks and state management, reducing initial page load time by 40% and improving Core Web Vitals scores by 30%.
- Collaborated with 3+ team members using Git version control and Agile methodologies, delivering 100% of project milestones on time and resolving 50+ merge conflicts efficiently throughout the development cycle.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML/CSS, C/C++, C#
Frameworks/Libraries: React, Node, NextJs, TailwindCSS
Developer Tools: Git, Github, MongoDB, Visual Studio, IntelliJ, Agile, OAuth 2.0
AI: OpenAI, Cursor, GPT APIs, Raikoo