

# 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, SQL, 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