Tyler Pinho

https://www.tylerpinho.com/
https://www.denpa-delusions.com/

Education

B.S. in Computer Science
Summa Cum Laude
Arizona State University
Barrett Honors College
2013-2016

Certificate in Computer Gaming
Arizona State University
Barrett Honors College
2013-2016

Skills

Languages

- C#
- JavaScript/TypeScript
- Python
- SQL

Tools/Frameworks/Tech

- Angular/React/NextJS/Gatsby
- CSS/SASS
- OAuth2/IdentityServer
- Unity
- Powershell
- Azure/VSTS/.NET
- Cloudflare/DataDog/Splunk

Awards & Honors

CSO Award - Phantom Token Auth Architecture

CSO   2024

The CSO Awards recognize organizations for security projects and initiatives demonstrating outstanding business value and thought leadership. Awarded for novel Phantom Token Auth Server design and implementation.

Fire Extinguisher Award

Carvana   2022

Notable work done to both proactively and reactively respond, diagnose, and triage workplace war rooms, security breaches, and other critical scenarios.

Work Experience

Denpa Delusions - Founder & Creative Lead JAN 2025 - PRESENT

- Led a studio focused on creating video games, music, and stories that blur the boundaries between technology, fantasy and the macabre

Carvana - Assoc. Director, Engineering JAN 2024 - JAN 2025

- Led multiple cluster summits and authored leadership training tools, interview guides/training, security training, and PRD/Architecture/Roadmap/etc Templates
- Directed 30 people across the Auth, Finance, Purchase Process, and CORE teams as part of multiple cross-disciplinary clusters

Carvana - Engineering Manager NOV 2021 - JAN 2024

- Implemented an award-winning Phantom Token Architecture for protecting against malicious auth attacks
- Automated all SMS and Email processes by using Service Bus Signals to dynamically create user communication journeys
- Took over and revamped the Co-signer and Softpull Experiences to bring in more users, offer them better terms, and convert better through to sales

Carvana - Engineering Team Lead SEP 2019 - NOV 2021

- Designed centralized design component packages, project start templates, and various developer to automate DevOps and day to day implementations
- Created automated image processing systems for converting 2d snapshots of vehicles in the photobooth into marketing materials and third party vehicle listings
- Managed 14 individuals as part of the CORE team responsible for authentication, site architectures, account creation/sign-in, and developer tooling

Carvana - Senior Engineer APR 2019 - SEP 2019

Carvana - Engineer II JUL 2018 - APR 2019

Carvana - Engineer I AUG 2016 - JUL 2018

- Reduced cross-site React Package deployment from 2 weeks to minutes via custom Microfrontend Architecture
- Created Video Player pipeline in React and Azure Media Services allowing for custom video player options and dynamic content streaming
- Implemented custom A/B Testing Framework and event metrics to assist business decisions in improving customer experience

Carvana - Software Development Intern JUN 2016 - AUG 2016

- Assisted in creating new Purchase Process for buying used cars using a CQRS and DDD System in C#/Angular
- Implemented auto-checkers to catch security vulnerabilities and JavaScript errors in Git branches before they can be merged into the Master Branch
- Authored PowerShell Scripts to inform IT Leads which Azure Blobs are unneeded to save hosting space and money

Mesa Airlines - Software Developer Intern MAY 2015 - JAN 2016

- Created DTS Packages to automate functionality of databases
- Converted and updated employee intranet sites from ASP/VBScript to ASP.NET/C#
- Developed tests and test cases to simulate user's actions on web apps and databases

Science is Fun - Web Developer Intern SEP 2011 - MAY 2013

- Developed the "Science is Fun" website according to employer's specifications using HTML/CSS, JavaScript, and PHP to support STEM education by presenting science, engineering and technology to K-8 students and parents