

David Choo

CONTACT

✉ davidchoo221@gmail.com

☎ 609.356.6360

🌐 david-choo

EDUCATION

**University of Illinois at
Urbana-Champaign**

B.S. Computer Engineering
2020

SKILLS

Languages

●●●●● C#
●●●●● .NET
●●●●● JavaScript
●●●●● Typescript
●●●●● Python
●●●●○ C/C++
●●●●○ Java

Technical

●●●●● Azure
●●●●● CosmosDB
●●●●● React/Redux
●●●●● Node
●●●●● Git
●●●●● Visual Studio
●●●●○ GDB
●●●●○ L^AT_EX

EXPERIENCE

Microsoft
Software Engineer II

Aug. 2020 to Present
New York, NY

- Modernize and lead feature delivery in Commercial Marketplace, driving a record \$1B Marketplace Billed Sales in FY23, marking a remarkable 135% YoY increase
 - Drive improvements to product Pricing and Availability capabilities leveraging **Azure**, **C#**, **.NET**, and **Cosmos DB**
 - Lead test planning and execution for extending Cloud Solution Provider capabilities into new business offer types
 - Redesigned and refactored fast sync audience APIs to significantly reduce call times, resulting in more scenarios for independent software vendors to quickly update their products' audiences
 - Collaborated on co-development initiatives with partner teams to enable support for multiparty private offers through implementation of a new API contract
- Design and develop features for AppSource and co-sell storefronts using **Typescript** and **React Redux**
 - Added transactability capabilities for Dynamics 365 CE and Power BI Visual product types, creating new revenue streams
 - Migrated Power BI Visual offers from legacy systems into modern commercial marketplace (Partner Center), streamlining product management processes
 - Managed Co-sell Solution Finder features and enhancements, enabling field sellers to efficiently identify appropriate market solutions for Microsoft partners
- Participate in on-call rotations to ensure 24/7 service reliability, targeting 1-hour time-to-mitigation to resolve issues impacting ISVs transacting with end customers
- Practice modern engineering principles, including CI/CD pipeline integration, robust telemetry and monitors, and comprehensive unit/integration/E2E testing
- Led recruitment efforts, including interviewing and hiring candidates for various teams
 - Collaborated with new team members to ensure smooth onboarding and integration into company projects
 - Participated in intern mentoring programs, providing long-term guidance on career growth and company culture

SimBioSys, Inc.
Full Stack Developer

May 2019 to May 2020
Champaign, IL

- Led the creation and development of TumorScope, a web application using **Typescript** and **React** for oncologists to efficiently select effective neoadjuvant cancer treatments on a case-by-case basis
- Used data visualization tools, such as Victory charting components, to present predicted residual cancer burden and pathological complete response chance for a given treatment
- Designed treatment comparison tool enabling physicians to visualize a tumor's response to various treatments over time

Infineon Technologies
IC Research Intern

May 2018 to Aug. 2018
Tewksbury, MA

- Analyzed processes to decrease defective PPM rates for IC chips using Assertion based Verification strategies to increase coverage of testable analog signals
- Established and presented new methodology to efficiently insert analog defects using **C++** and **SystemVerilog**, thus facilitating measurements of controllability and observability