

David Choo

CONTACT

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in david-choo

SKILLS

Languages

••••• C#
••••• .NET
••••• Typescript
••••• Python
••••• C/C++
••••• Java
••••• x86
••••• SystemVerilog

Technical

••••• Azure
••••• CosmosDB
••••• React/Redux
••••• Node
••••• Git
••••• Vim
••••• GDB
••••• L^AT_EX
••••• Unity

EDUCATION

University of Illinois
at Urbana-Champaign

B.S. Computer Engineering 2020

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 (135% YoY increase)
 - Drive improvements to product Pricing and Availability capabilities using **Azure**, **C#**, **.NET**, and **Cosmos DB**
 - Lead test planning and execution for extending Cloud Solution Provider capabilities to new business offer types
 - Redesign and refactored fast sync audience APIs to expedite call times, resulting in more scenarios for independent software vendors to quickly update their products' audiences
 - Enable support for multiparty private offers by completing co-development with partner team to implement new API contract
- Design and develop features for AppSource and co-sell storefronts using **Typescript** and **React**
 - Added transactability capabilities for Dynamics 365 CE and Power BI Visual product types, opening new streams of revenue
 - Migrated Power BI Visual offers from legacy systems into modern commercial marketplace (Partner Center) for more streamlined product management
 - Own Co-sell Solution Finder features and improvements, 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 unblock ISVs transacting with end customers
- Practice modern engineering principles, including CI/CD pipeline integration, robust telemetry and monitors, and unit/integration/E2E testing

SimBioSys, Inc.
Full Stack Developer

May 2019 to May 2020
Champaign, IL

- Developed TumorScope, a web application using **Typescript**, **React**, and **Swagger** 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 DPPM rates for IC chips
- Developed and tested 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