# Chris Perkins

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## EXPERIENCE

- **Microsoft**                                                                                   Redmond, WA
  *Software Engineer - SharePoint Distributed Systems*                          *Summer 2019 - Present*
    - Created a system that reliably replaces 2% of the distributed SharePoint VM network each day with no incidents
    - Improved the speed of core replacement jobs by 100-500% through reliability and optimization fixes
    - Reduced security incidents by creating a system which finds and repairs 300+ off-network VMs per month
    - Created a Microsoft Discord server with over 700 members to help onboard early-in-career engineers

- **Amazon**                                                                                        Seattle, WA
  *Software Development Engineer Intern - AWS S3*                                        *Summer 2018*
    - Designed and developed a system to automate the process of evaluating object access ratios to determine an appropriate S3 storage class for optimizing customer savings
        * The system found a threshold where savings totaled over $100,000,000 for 10,000 customers over 100 days
        * Created unit tests for the system with 98% line coverage and 95% branch coverage
        * Created a peer-reviewed design specification outlining the system's architecture

- **Siemens**                                                                                       Orlando, FL
  *Mobile Engineer, Intern*                            *Spring 2017 - Spring 2018, Fall 2018 - Spring 2019*
    - Created native Android/iOS IoT-sensor tracking apps so technicians can monitor machine health offsite
    - Created an iOS AR application for the marketing of a Siemens branded engine using ARKit
    - Created a VR engine-assembly training demo presented at Siemens outreach events
    - Enhanced security for a production-serving iOS app by implementing SSL-pinning
    - Created an employee retention tool which won the Siemens global hackathon

- **Lockheed Martin**                                                                               Orlando, FL
  *College Student Technician*                                                             *Summer 2016*
    - Found and/or fixed 20 vulnerabilities in the JASSM cruise missile path-planning software
    - Held an interim security clearance

## PROJECTS

- **Mr. Love Potion**: Lead programmer of a VR adventure game in independent development. Created static and dynamic pose recognition systems for more fluid conversational dialogue in the VR medium. Created a stereoscopic mirror and non-euclidean space renderer. Created a node-based, branching event creation tool for rapid development of event-based interactions.

- **Ocean Cleanup Plastic Identification**: 2nd place in the Microsoft Global Hackathon for sustainability. Collaborated with The Ocean Cleanup, a non-profit organization, to enable new methods of plastic identification in rivers and oceans and enhanced their data visualization software.

- **Pocket Change**: 2nd place of out 76 teams in KnightHacks 2019. Pocket Change is an app-based service that shows bills on the house floor and provides summaries, keywords, and classifications of bills using natural language processing.

- **Lifting Buddy**: A formerly published workout-tracking app for iOS with over 10,000 unique downloads. Lifting Buddy allows users to completely customize their routines and track their weightlifting progress using "progression trackers".

## EDUCATION

- **University of South Florida**                                                                   Tampa, FL
  *Master of Business Administration; Expected May 2022.*                          *Fall 2019 – Spring 2022*

- **University of Central Florida**                                                                 Orlando, FL
  *Bachelor of Computer Science; Cum Laude. Graduated with honors.*               *Fall 2015 – Spring 2019*

## SKILLS

- **Languages**:  C#, Python, Swift, Objective-C, TypeScript, Javascript, Java, PowerShell, Golang, C++, HTML, CSS

- **Technologies**:  Git, MySql, NoSql, React, Android Studio, XCode, CocoaPods, Unity, SteamVR, Photoshop, Illustrator