

# KYLE STOKES

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<https://kylestokes.github.io>

## EDUCATION

January 2025 -  
Present

**Purdue University**, West Lafayette, Indiana

*Doctor of Technology, Interdisciplinary*

- Cumulative Grade Point Average: 4.00

January 2020 -  
May 2024

**Harvard University Extension School**, Cambridge, Massachusetts

*Master of Liberal Arts (ALM), Software Engineering, Honors*

- Cumulative Grade Point Average: 3.86

January 2015 -  
December 2017

**University of Toledo**, Toledo, Ohio

*Bachelor of Science, Computer Science and Engineering Technology, cum laude*

- Cumulative Grade Point Average: 3.54

## EXPERIENCE

October 2024 -  
Present

**Oddball, Remote**

*Software Engineer*

- Full-stack mobile development using Flutter
- Rebuilding offline mode using a fast and secure NoSQL database
- Maintaining a minimum of 80% test coverage consistently
- Managing and enhancing a robust CI/CD pipeline with six security and quality checks
- Designing a mobile engineering challenge for potential candidates
- Working within an Agile environment alongside a fully remote team
- Developing features vital to the success of the BIZINT (business intelligence) platform, which is used by all military branches to collect data on global commercial resources
- Helping to lower military costs, decrease environmental impact, and prevent global power conflicts

September 2024 -  
Present

**University of California, Los Angeles**, Los Angeles, California

*Instructor*

- Teaching two courses in the Computer Science Extension department, including creating a brand-new iOS app development course
  - COM SCI X 418.2: iOS App Development with Swift
  - COM SCI X 418.102AB: HTML & CSS

August 2024 -  
December 2024

**Harvard Extension School**, Cambridge, Massachusetts

*Course Assistant*

- Held office hours bi-weekly for CSCI E-80: Artificial Intelligence with Python where students brought questions on lectures, course material, or homework assignments

August 2022 -  
October 2024

**CoStar Group (Homes.com)**, Irvine, California

*Senior iOS Engineer*

- Implemented concurrent handling of map data to increase performance by over 50%
- Leveraged SwiftUI/Combine to overhaul Homes app, preparing for millions of users
- Spearheaded iOS development on allowing agents to edit listings away from the MLS
- Drive folder experience for saving and sharing favorite photos, homes, schools, etc.
- Work featured in several Super Bowl LVIII Ads

June 2021 - June 2023	<b>Airspace</b> , Carlsbad, California Lead <i>iOS Developer</i> <ul style="list-style-type: none"> <li>• Led iOS development of a DoorDash-style app for mission-critical shipments</li> <li>• Created a new UIKit component library in collaboration with product designers</li> <li>• Managed reactive state with RxSwift</li> <li>• Ensured offline mode was efficient and reliable with Realm</li> <li>• Contributed to massive company growth, including 500K+ pieces shipped in 2021</li> <li>• Interviewed candidates and reviewed code submissions for potential mobile team hires</li> <li>• Recognized in CNBC Disruptor 50 and Fast Company's "Next Big Things in Tech"</li> </ul>
November 2019 - May 2021	<b>Hanson Inc.</b> , Toledo, Ohio <i>Mobile Software Engineer, iOS</i> <ul style="list-style-type: none"> <li>• Engineered camera-tracking app used by first responders</li> <li>• Integrated paper editions in a popular news app with around 60k users</li> <li>• Handled offline access with Core Data</li> <li>• Translated legacy Objective-C app to clean and maintainable Swift code</li> </ul>
<b>MOBILE DEVELOPMENT</b>	• Swift, iOS, SwiftUI, UIKit, Combine, XCTest, MVC/MVVM/VIP/VIPER, Flutter/Dart
<b>WEB DEVELOPMENT</b>	• React, Angular, HTML/CSS, JavaScript, TypeScript
<b>BACKEND &amp; TOOLS</b>	• Python/Django, Node/NPM, Git/GitHub/GitLab/Azure DevOps, CI/CD, Agile
<b>COLLEGIATE ACTIVITIES</b>	<ul style="list-style-type: none"> <li>• Harvard Club of Northeast Ohio</li> <li>• Harvard Club of Southern California</li> <li>• University of Toledo Alumni Association</li> <li>• Phi Eta Sigma National Honor Society</li> <li>• The National Society of Collegiate Scholars</li> </ul>
<b>HONORS &amp; AWARDS</b>	<ul style="list-style-type: none"> <li>• ALM Dean's List Academic Achievement Award (Harvard - Spring 2024)</li> <li>• President's List (University of Toledo - Spring 2017)</li> <li>• Dean's List (University of Toledo - Fall 2016)</li> <li>• University of Toledo Achievement Award Scholarship</li> </ul>
<b>RECREATIONAL</b>	<ul style="list-style-type: none"> <li>• Led team for Harvard software engineering capstone, an artist-driven music service providing musicians a living wage while enabling listeners to get paid to stream music</li> <li>• Architected and designed <i>Groovy</i>, a finance app for iOS (available on the App Store)</li> </ul>
<b>SPECIAL SKILLS &amp; INTERESTS</b>	<ul style="list-style-type: none"> <li>• Effective communicator and teacher (frequently recognized for teaching style)</li> <li>• Passionate about the intersection of humanity and technology</li> <li>• Naturally creative and artistic</li> <li>• Learning French</li> </ul>
<b>REFERENCES</b>	Available upon request