

# Christopher Lee

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## SUMMARY

Mathematics and Economics double major with experience in iOS development; passionate about learning Swift and developing iOS apps with SwiftUI while following Apple's Human Interface Guidelines; seeking opportunities within mobile software development.

## EDUCATION

### Kenyon College

Bachelor of Arts in Mathematics and Economics  
Concentration in Scientific Computing

- GPA: 3.29 | Merit List: Spring 2021

**Expected 2024**

Gambier, OH

## EXPERIENCE

### Esri

Software Engineering Intern (iOS)

**May – Aug 2022**

Redlands, CA (Remote)

- Collaborated with the iOS Runtime and Samples teams to develop an app with SwiftUI to showcase the abilities of the ArcGIS Runtime API
- Added over 20 samples of the Runtime API to the app to assist new developers by demonstrating how to implement the API within a SwiftUI app through well-crafted and documented code
- Enhanced the fundamental UI of the app by developing principal views and view modifiers

### STEM Robotix

Teaching Assistant

**Aug 2015 – Jul 2021**

Hanover, NH

- Instructed LEGO EV3 Robotics and Python to children in grades 3-6
- Assisted students with using LEGO programming software to maneuver EV3 robots through various physical challenges to encourage out-of-the box thinking
- Introduced students to fundamental programming concepts, such as loops, functions, conditional statements, and classes, by using the Turtle and Pygame libraries in Python

## PERSONAL PROJECTS

### Tremor Analysis

**Jun 2020 – Present**

- Developing and designing an iOS app with SwiftUI to aid Parkinson's Disease patients by quantifying a tremor's component frequency from the iPhone's accelerometer
- Utilizing Apple's Accelerate, Core Data, and Core Motion frameworks to perform Fast Fourier Transforms, locally store users' tremor analysis, and gather accelerometer data
- Released Tremor Analysis on the App Store on Aug 7<sup>th</sup>, 2021, amassing over 1.4K total downloads and a five-star rating as of Aug 2022

## AWARDS AND ACHIEVEMENTS

### Apple WWDC Swift Student Challenge Winner

**Jun 2020, 2021, 2022**

- Awarded Apple's Worldwide Developer Conference Swift Student Challenge award in 2020, 2021, and 2022
- Developed innovative Swift Playgrounds with SwiftUI, featuring an interactive app to visualize the power of compound interest ('20), Fast Fourier Transforms ('21), and the Collatz Conjecture ('22)

## SKILLS AND INTERESTS

### Programming

Swift, SwiftUI, Python, C++, HTML, CSS, Xcode, CLion, Visual Studio Code, Figma

### Interests

software development, machine learning, ESG investing, GIS, tennis, cycling, hiking, photography