# Christopher Lee

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## Summary

Prospective economics major with experience in app development; passionate about mobile software development and finance; enjoys exploring the outdoors; seeking opportunities within the software development, financial services, or environmental industry.

## Education

**Kenyon College** **Gambier, OH**
Bachelor of Arts in Economics Expected 2024
Concentration in Scientific Computing

- GPA: 3.54
- Merit list: Spring 2021

**Hanover High School** **Hanover, NH**
Four-year Academic Honor Roll 2020

- GPA: 3.60

## Experience

**STEM Robotix** **Hanover, NH**
Teaching Assistant Aug 2015 – Jul 2021

- Instructed LEGO EV3 Robotics and Python to children in grades 3-6
- Assisted students in the EV3 Program to use LEGO programming software to maneuver an EV3 robot through various physical challenges
- Taught Python class variables, loops, functions, turtle, and Pygame to produce Pong as a final project

**Hanover High School Aquatic Club** **Hanover, NH**
Moderator Aug 2016 – Jun 2020

- Maintained and restored two school fish tanks to learn more about marine life and raise awareness about the coral reef crisis
- Developed, designed, and maintained club website to gain experience in basic HTML/CSS, user-interface design, and web hosting skills

## Awards and Achievements

**Apple WWDC Swift Student Challenge Winner** **Jun 2020, 2021**

- Awarded Apple's Worldwide Developer Conference Swift Student Challenge award in 2020 and 2021
- Developed an innovative Swift Playground featuring an interactive app to visualize Fast Fourier Transforms in 2021 and the power of compound interest in 2020

**Columbia University Summer Immersion Program** **Jun – Jul 2019**

- Completed a "challenging college-level" Investment Portfolio Management Course at Columbia University in New York, NY
- Learned how to analyze a company's income statement, balance sheet, and cash flow and produce discounted cash flow valuations based on those metrics
- Lauded as a "very smart and extraordinary student; able to think critically, identify key company drivers, and construct relevant valuation framework"

## Personal Projects

**Tremor Analysis** **Jun 2020 – Present**

- Developing and designing an iOS app with Swift/SwiftUI to aid Parkinson's Disease patients by analyzing tremors and identifying their component frequencies and magnitudes
- Utilizing Apple's Accelerate framework to compute component frequencies using Fast Fourier Transform and Core Motion framework to gather accelerometer data
- Gathered feedback from a doctor specializing in neurology and movement disorders during beta testing before publishing app on Apple's App Store

**Python Trade Bot** **Jan – Feb 2021**

- Programmed Python program to calculate buy and sell signals based on technical indicators
- Utilized SQLite3 to create a database of historical prices and technical values
- Used an API to access stock prices and submit paper orders

**Investing For All** **Mar – Jun 2020**

- Coded an iOS app in SwiftUI featuring a simulated portfolio and a stock search tap which displayed price, news, and historical price chart
- Incorporated CoreData to store the user's trades and simulated portfolio
- Used an API to fetch stock prices and news

## Skills

**Programming:**
Python, Swift, SwiftUI, HTML/CSS, Xcode, Visual Studio Code, Figma, Adobe XD

**Interests:**
software development, machine learning, investment portfolio management, ESG investing, tennis, cycling, hiking, photography