



# JAY LYERLY

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## — SUMMARY

I am a dedicated technical leader with 25+ years of industry experience. With a broad background in general computing and a deep expertise in Apple technologies, I've guided a team to solve the problems of more than a dozen clients in a variety of fields. Working together with my team and the client, we built robust foundations to serve the client for years to come. I'm excited to begin building the next chapter of my career.

## — WORK EXPERIENCE

### SonicBunny Software

Apex, NC

#### Owner

2023 to Present

- ◆ Design and build GlowWorm a native Mac utility designed to control and automate lighting products from several manufacturers connected via USB, Bluetooth, WiFi and other APIs.
- ◆ Continue to support for Oak City Labs client projects as needed including web apps, application servers and macOS/iOS applications.

### Oak City Labs

Apex, NC

#### CTO and Founder

2014 to 2023

- ◆ Led a team of developers building custom solutions for a wide variety of clients. In nine years, we successfully completed projects for 14 clients. More details available in my portfolio.
- ◆ Working with the sales team and potential clients, explored the intricacies of future projects to create detailed estimates, help the client feel understood and secure the project.
- ◆ Met with clients at least weekly to talk through issues and review beta releases to insure that the client expectations never diverged too far from the product we built.
- ◆ Mentored junior developers and guided the technical culture of the company to focus on collaboration, peer review, testing, automation, continuous integration and technical excellence.
- ◆ Designed the technical architecture for each project with an eye towards the business goals of the client. As part of the design, identify the biggest technical hurdles so they can be addressed first and pivot if necessary.
- ◆ Designed and lead the development of Callisto, a Mac/iPad app and cloud backend for data science. Built on Jupyter technology, eCallisto provides a high quality, native app experience while making data science in the cloud just a few clicks away.

### StepLeader (now Reveal Mobile)

Raleigh, NC

#### Lead iOS Developer

2013 to 2014

- ◆ Led a team of three developers building a white label news app used by 60+ news agencies. Driven by server generated content, this app could be customized dynamically for the needs of each individual news organization.

### Computational Engineering International (acquired by Ansys)

Apex, NC

#### Senior Mac Developer

2002 to 2013

- ◆ Hired as an IT manager, I grew into a Senior Developer role, looking for new ways I could contribute to the product.
- ◆ Acted as release and testing engineer, moving the company from zero testing and a manual release checklist to fully automated testing and release pipeline on eight platforms, ensuring stability and reproducibility for every release.

- ◆ Ported the application suite to the Mac OS X as Apple transitioned to OS X and then to Intel hardware. I grew the Mac user base from zero to 15-20% of the total user base including some of the biggest contracts at the company.

## — PROJECTS

### RealmEndpoint

<https://github.com/OakCityLabs/RealmEndpoint>

- ◆ Streamline interacting with a REST endpoint and parsing the associated JSON data into Realm data objects.

## — VOLUNTEERING

### Triangle Rabbits

Raleigh, NC

**Board Member**

2014 to Present

**President**

2017 to Present

**Vice President**

2014 to 2017

- ◆ In the ten years since the rescue was created, we have found homes for over 320 rabbits, built a foster network of 35+ homes and recently opened an outreach facility to support the rescue in the next ten years.

## — SKILLS

Languages: `Swift` , `Objective-C` , `Python`

Frameworks: `UIKit` , `SwiftUI` , `CoreBluetooth` , `AVFoundation` , `CoreImage` , `HealthKit` , `MapKit` , `CoreAudio` , `CoreNFC` , `Combine` , `CoreData` , `Realm` , `QuickLook` , `PDFKit` , `UIDocument` , `Catalyst` , `Realm`

DevOps: `Docker` , `Swarm` , `AWS` , `S3` , `EC2` , `RDS` , `CI` , `GitHub Actions`

## — EDUCATION

### **North Carolina State University**

1997 to 2002

**Masters of Science in Physics**, *Raleigh, North Carolina*

- ◆ Focus on Astrophysics and High Performance Computing
- ◆ Minor in Mathematics

### **North Carolina State University**

1993 to 1997

**Bachelors of Science in Physics**, *Raleigh, North Carolina*

- ◆ Minors in Mathematics and Computer Science