

# Clifford Lezark

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## HONORS AND EDUCATION

**Eckerd College**, St. Petersburg, FL 05/ 2019

Bachelor of Science with Concentration in Computer Science & Oceanography

**hackNY**, New York, NY 05/ 2019

Summer 2019 fellow, *one of twenty chosen for nationally-renowned fellowship program*

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## EXPERIENCE

**Software Engineer** 07/2021 - Present

*Florida Fish and Wildlife Research Institute*, St. Petersburg, FL

- Tapped as lead developer of FWRI's MIPS, a greenfield project handed down from the federal government to the institute.
- Directed the institute's modernization effort towards .NET Core tech stacks and open source technologies.
- Created interdisciplinary discussion groups for SWEs and scientists.
- Prepared institute applications for our shift from on-premise hosting to Azure Government Cloud Community.

**Director of Admissions** 09/2019 - 08/2021

*hackNY*, New York, NY

- Directed the assesment of all applications to the 2020 fellowship program.
- Carried out technical interviews with prospective fellowship candidates.
- Assisted the executive director in pairing fellows with NYC startups.
- Facilitated interview prep sessions with incoming fellows.

**Software Engineering Intern** 06/2019 - 08/2019

*Eight Sleep*, New York, NY

- Collaborated with the hardware and software teams to develop software solutions for challenges in manufacturing, quality assurance, and UX.
- Activated unused Bluetooth radio included in over 20,000 devices.
- Produced suite of gcc-based tests for future feature development.
- Contributed to the deployment of new features and solutions.

**Software Engineering Intern** 06/2018 - 08/2018

*Simprints*, New York, NY

- Customized Bluetooth 4.0-ready firmware for Simprints' core device, the Vero fingerprint scanner.
- Orchestrated a solution using Google's 'Web Bluetooth' library that eliminated the need for OS-specific desktop clients to connect to scanners.
- Contributed to the prototype of a browser-based desktop client

**Bioinformatics Research Assistant** 02/2017 - 12/2017

*Eckerd College & Woods Hole*, St. Petersburg, FL

- Conducted sequence analysis and data visualization for a study of population connectivity in the Sargasso Sea.
- Leveraged bioinformatics software to illustrate haplotype networks of DNA barcode in *Litiopa melanostoma*.
- Generated custom graphic representations of speciation and genetic drift using self-developed visualization libraries.

## COMPETENCIES

### Languages

Javascript · C# · C++ · Java

Python · R · SQL

HTML5 · CSS · PHP

### Tools and Libraries

Vue.JS · Blazor · Laravel

Node.JS · Nginx · Flask

CosmoDB · SQL Server · Neo4j

git · bash · zsh · fish · tmux

### Skills

- Web application development
- Firmware revision
- Esoteric library integration
- Data visualization
- Server management
- IoT management
- Hardware hacking
- Bug hunting
- Quick learning

## Recent Projects

### DIMENSIONS

Hosted on my personal site, DIMENSIONS recounts and reflects on my visual problem solving process during an adversarial art course at a local college. Mediums include marker on cardstock, blender in javascript, and 3d printed sculpture.

### FWRI MIPS

A first-of-its-kind web application at the Fish and Wildlife Research Institute designed for interagency collaboration, MIPS enables scientists to identify manatee individuals across their lifespan and track their movements along the coasts of the United States. MIPS is built on top of a 50 year old database of manatee sighting and classification data.