

# RUTH SHRYOCK

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## EDUCATION

**University of Central Florida** May 2023

B.S in Computer Science  
*President's Honor Roll*

**Coursework:** Programming (C, C++, Java),  
Data Structures, Discrete Structures,  
Architecture/Assembly Language, Systems  
Software, Computer Organization, Security  
in Computing, Database Systems, Linear  
Algebra, Differential Equations, Calculus III,  
Numerical Calculus

## LEADERSHIP

- **Mentor** @ Association for Computing Machinery (ACM-W) ~ 2021-2022
- **President** of Project Linus Club ~ 2018-2020
- **President** of Société Honoraire de Français ~ 2019-2020

## LANGUAGES

English and French

## VOLUNTEER WORK

**Nursery Volunteer** (2017-present)

Entertain and assist children 0-2 years old

**Project Linus** (2016-2020)

300+ hours of crafting handmade blankets  
for hospitalized children

**High School Tutor** (2017-2020)

Assisted low-income students with math,  
english, and science

## AWARDS

- SCV McGrath Memorial Scholarship
- CISOA Scholarship
- Southern California STEM Scholarship
- COC Honor Scholar

## EXPERIENCE

### DEVOPS ENGINEERING INTERN

PNC BANK | May-July 2022

- Collaborated with a team of interns to develop an application (see **Dockerhound** in Projects)
- Delivered the MVP version of our application in less than 3 weeks
- Gained experience in professional software development including agile development, api usage, unit testing, and version control

### PRIVATE TUTOR

One Brain Learning Center | Oct 2021-Dec 2022

- Provide private instruction to students in order to improve academic performance

## PROJECTS

- **Growth+** (Aug 2022 - present)
  - Developing a mobile application in Java through Android Studio in response to the need to supplement math education in West Africa
  - Traveled to Chad in August 2022 to research the technology and educational system
- **Pantry** (Oct-Dec 2022)
  - Designed and developed a web and mobile application which allows users to organize, search, and save recipes based on items in their pantry
  - Full stack application utilizing a MERN stack and external recipe API created with a team of 8 UCF students
- **Dockerhound** (May-July 2022)
  - Designed and developed an application written in Go which automates the process of updating dependencies
  - Allows software engineers to prioritize engineering work as Dockerhound saves thousands of hours of time and reduces repetitive and tedious updates
  - Avoids 80%+ of security vulnerabilities in PNC software
- **Knightro's Gambit** (Sept 2021-present)
  - Developing and implementing a chess board controlled by an AI/ML algorithm written in Python
  - Collaborating with mechanical and software engineers to integrate a physical chessboard along with the AI
  - Built a frontend web application using HTML and CSS

## SKILLS

### CODING LANGUAGES/Frameworks/Stacks

Proficient: **Java, Javascript, Python, Go, C, HTML/CSS,**

**React, MERN and LAMP Stacks**

Familiar: **C++, C#, SQL, PHP, Haskell, Flutter**

### TECHNOLOGIES

Bitbucket, Git, GitHub, Jira, Jenkins, SonarQube, Figma, Microsoft Office, Canva, Android Studio, XCode, Youtube Studio