

Employment

Teacher's Assistant

University of Florida

08/2017 to 05/2019

- Courses: Operating Systems, Programming Fundamentals 1 and 2
- Conducted weekly discussion sessions and office hours
- Graded assignments, responded to student emails and issues
- Created new lab assignments and exam questions, refined according to feedback, including labs for TCP socket programming, inheritance, recursion, and file IO
- Instructed students in topics such as Linux kernel hacking, schedulers, security, memory management, OOP, data structures, Git, command line, SFML, in Java, C++, Bash, and C
- Automated grading with scripts and grading platforms

Education

Gainesville, FL

University of Florida

01/2017 to current

- B.S.E. in Computer Science, minor in Russian Language and Culture
Graduating Spring 2021
- Coursework:
Software Testing for Continuous Delivery, Computer and Information Security, Operating Systems, Software Engineering, Advanced Data Structures, Network Fundamentals, Databases, Programming Language Concepts
- Projects:
 - RESTful backend in Go, serving an Angular 2 SPA, deployed on AWS Elastic Beanstalk and RDS
 - Multithreaded quiz server and client application in C++
 - B+ tree in Java
 - Encrypted TCP chat system with non-blocking IO in Rust
 - Full CICD pipeline for an Elixir/Phoenix app with Gitlab CI and Google Cloud

Experience

- Languages learned include:
C++, C, Java, SQL, Python, Go, Rust, Haskell, Bash, Regex, HTML
- Frameworks and platforms include:
NodeJS, Amazon Web Services (AWS), Google Cloud SQL and App Engine, Jenkins, Gitlab CI, Linux
- Personal projects:
 - GitId: a CLI tool for managing multiple usernames and emails for Git
 - Library for calculating cost-prices using direct costs and a dependency graph
 - Ongoing: tag-based web forum, AOSOA data structure for Rust, FPS game, horror game