Kyle Helsing

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EDUCATION

The University of Georgia, Athens, GA   Expected May 2021
- Bachelor of Science, Computer Science
- **GPA**: 4.00/4.00
- **Honors**: Zell Miller HOPE Scholarship, Presidential Scholar

PROFESSIONAL EXPERIENCE

Accord Systems LLC, *Software Engineering Intern*, Alpharetta, GA   August 2016 – August 2018
- Worked with a team to create automations for Cloud-based Affordable Care Act reporting software.
  - Automations to read through record sets and perform actions on subsets with desired attributes.
- Created a Ruby on Rails App to track employee workflow via user submission.
  - Allowed employees to log in and report quantitative progress.
  - Results converted to raw JSON to be pulled by an in-house visual dashboard.
- Debugged errors in the implementation process by understanding the mechanisms that drive it.
  - Tackled backlog items through collaboration and learning about the implementation process.
  - Evaluated problems, implemented solutions, reviewed commits, and merged code to close issues.
- Created unit tests to validate features and increase the scalability of the system
  - Used technologies such as RSpec and Capybara to test in a fully realized simulation setting
- Used Git to manage all coding progress and collaboration with small team.
- Exposed to a startup environment and had to adapt to different tasks that were assigned to me.

SKILLS

Skills: Object Oriented Programming, Java, C++, Ruby, HTML, GIT, Python, Ruby on Rails, Microsoft Office, Unix Commands, Test Driven Development, Maven
Relevant Courses: Data Structures, Software Development, Introduction to Computational Theory, Systems Programming, Discrete Mathematics, Calculus II for Math and Science Majors, Ethics in Computing

PROJECTS

Arcade Application   Java
- A GUI app that contained a visually interactive version of both Breakout and Reversi.
- Application implemented many techniques of OOP through dynamic GUI interactions.

Image Gallery   Java
- Created a GUI image gallery that displayed dynamic results based on user search.
- Used multiple threads for cycling images, iTunes API for querying, and JavaFX for GUI elements.

Personal Blog   Ruby
- Created a personal Rails blog to learn the basics of Ruby on Rails and MVC architecture.
- Usability included user login, posting, commenting, sorting by tags, and data validation.

Personal Website   HTML/CSS
- Currently designing a personal professional website using GitHub pages and Semantic UI.

LEADERSHIP & EXTRACURRICULARS

CSIP: Computer Science Interview Prep, *Club Officer,* Athens, GA   January 2019 - Present
- Discuss professional interview strategies and practice technical questions.
- Discover how to apply academic knowledge in a professional environment.

Samaritan's Purse, *Trip member,* Atlanta, GA   July 2017
- Participated in a trip touring humanitarian effort across Kenya and South Sudan.
- Distributed food to families with the World Food Programme.