

Peter K. Rocha

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Omaha, NE

SUMMARY OF QUALIFICATIONS

- Aspiring software developer with 19 months of paid industry internship experiences covering a breadth of technologies and development methodologies
- Strong ability to quickly adapt to new and evolving technologies
- Excellent verbal and written communication skills, including experience interfacing directly with clients
- Best Paper Award: 2020 Undergraduate IS&T Research Conference for Paper on Video Compression

CORE COMPETENCIES

Programming Languages: Java, Objective-C, C#, C, C++, SQL

Integrated Development Environments: Eclipse, Microsoft Visual Studio, Xcode

EDUCATION

University of Nebraska at Omaha

Peter Kiewit Institute College of Information Science and Technology

Bachelor of Science in Computer Science

Expected May 2026

- 3.98 GPA
- Phi Kappa Phi Academic Honor Society
- Walter Scott, Jr. Scholarship Recipient
- Delta Epsilon Iota Academic Honor Society
- Chancellor's List
- Honors Program

EXPERIENCE

Mobile Development Intern

May 2022 – Present

Client Resources Inc., Emerging Technologies Division, Omaha, NE

- Developed cutting edge iOS applications on small teams in an agile environment
- Assigned to diverse projects across unfamiliar technologies; earned the opportunity to work independently on a small project due to demonstrated competencies with these new and unfamiliar technologies
- Work contract extended into the school year due to high level of contribution

Environment: Objective-C, iOS, Xcode, Ruby on Rails, Git, Heroku, Basecamp

Student Researcher

November 2020 – May 2021

Peter Kiewit Institute College of Information Science and Technology, Omaha, NE

- Worked under Dr. Qiuming Zhu (Chairman, Computer Science Department) on a NASA Nebraska Space Grant
- Implemented and optimized known compression algorithms for digital video and imagery including frame differencing, noise reduction, region growing by pixel aggregation, and object segmentation
- Reduced video files by as much as 96 percent using implementations

Environment: Java, Eclipse

Software Development Intern

May 2020 – February 2021

Lockheed Martin, Information Systems & Global Solutions Defense, Papillion, NE

- Transferred cutting edge software R&D project from WebLogic application server to GlassFish application server
- Designed and developed functional application prototype to generate automated testing scripts for complex browser-based applications; superiors vocalized interest in integrating this prototype into enterprise testing suite
- Work contract extended into the school year due to high level of contribution

Environment: Java, Eclipse, GlassFish, Oracle WebLogic, Selenium, Google Web Toolkit, Apache Subversion

ADDITIONAL INFORMATION

Active Member, Association for Machine Computing

August 2022 – Present

Active Member, Omaha Game Developers Association

July 2022 – Present

Department of Defense Secret Clearance

Granted 17 May 2022

Eagle Scout

November 2019

Page, 2016 Democratic National Convention

August 2016