

# Nicholas E. Albright

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## SUMMARY

Adept programmer and problem solver with strong technical and interpersonal skills

## EDUCATION

**Bachelor of Science, James Madison University**

Majors: Computer Science, Physics

Minor: Mathematics

Graduation: May 2020

Major GPA: 3.2

## TECHNICAL SKILLS

- Spring, React, Elasticsearch, Git, Jenkins, Vagrant, Maven, SAML 2.0
- Skilled in Java, JavaScript, HTML, CSS. Experience in C, IDL, MATLAB, Python
- Object-oriented programming, RESTful web service development, Windows/Linux OS

## RELEVANT COURSEWORK

Full Stack Web Development  
Algorithms and Data Structures  
Interaction Design

Software Engineering  
Computer Systems  
Advanced Programming

## EXPERIENCE

**Software Development Intern, Sila Solutions Group**

2019

- Developed a full stack resume bank web application to be used at enterprise level
- Worked with a team to draft requirements, design architecture, implement solution
- Designed and constructed Java Spring backend with Elasticsearch database structure for efficient resume storage/query of 1500+ employee resumes
- Gathered requirements from clients, attended code reviews, led user acceptance testing
- Presented project and demonstrated usage of the application in front of entire company

**Research, JMU Department of Physics and Astronomy**

*Dr. Kevin Giovanetti & Dr. Klebert Feitosa*

2015 – 2018

- Implemented Jefferson Lab's CODA Data Acquisition system at JMU
- Worked with a team of several CEBAF collaboration group partners at JLab
- Wrote code (primarily C) and adapted libraries to talk to network components
- Designed/executed experimental techniques in field of soft condensed matter
- Developed algorithms for image analysis to analyze packed system force interactions
- Presented research at JMU Research Symposium

**Learning Assistant, Department of Physics and Astronomy**

2017

- Instructed over 80 students in 4 separate introductory physics classes
- Collaborated on instruction preparations and taught material

**Math Tutor, Mathnasium of Richmond**

2015

- Interacted with students between ages of 6 and 17, strengthening students' math skills
- Provided feedback to parents and assisted in marketing to enroll more students

## ACTIVITIES & HONORS

**Captain, Men's Club Ultimate Frisbee Team**

2015 – Present

- 15 hours of practice weekly, lead a team of 80+ students at JMU

**Crew Member, University Program Board**

2017 – 2019

- 5 hours weekly; help organize 10+ concerts yearly

**Jeffrey E. Tickle CSM Scholarship**

2016

- Recognized for academic excellence