

JOHN DUKEWICH

EDUCATION

Bachelor of Science in Computer Science

The Pennsylvania State University | Schreyer Honors College

GPA: 3.99

Expected May 2021

University Park, PA

TECHNICAL SKILLS

Programming Languages: Python, C, C#, HTML/CSS, Javascript, Java

Tools/Frameworks: AWS, Docker, React, .NET Core, Django, Git, Nginx, Apache, Tensorflow, PyTorch

Github: <https://github.com/jdukewich>

PROFESSIONAL EXPERIENCE

Software Engineering Intern

May 2019 - August 2019

DICK's Sporting Goods

Coraopolis, PA

- Utilized React, C#, and .NET Core Framework to develop a web application to automate uploading of over 4,000 distribution center shipments per month
- Created a CI/CD workflow using a Concourse CI pipeline to automate testing and deployment
- Deployed a portable application by utilizing cloud hosting with Pivotal Cloud Foundry, allowing for updates to be made with minimal time and effort

Lead Systems Administrator

April 2019 – Present

Penn State THON Technology Captain

University Park, PA

- Penn State Dance Marathon (THON) is a student-run philanthropy that raises money to fight pediatric cancer
- Managed and maintained all 9 servers utilized by THON websites (e.g. THON.org, think.THON.org, dash.THON.org) by deploying tools such as Apache, Nginx, MySQL, and Docker
- Oversaw the migration of THON systems to Amazon Web Services (AWS), utilizing services such as Cloudfront, ECS, Fargate, RDS, S3, and ELB

AI Associate

September 2019 – Present

Penn State – Nittany AI Alliance

University Park, PA

- Utilized NLP and Latent Semantic Analysis to improve search results for University Development's fundraising website
- Deployed a prototype solution on AWS utilizing the Django web framework to present to key stakeholders
- Leveraged the Gensim topic modeling Python package to extract inherent topics of over 300,000 articles found within English Wikipedia

LEADERSHIP AND ACTIVITIES

Team Lead - NSO QuickAdvisor

January 2019 – October 2019

Penn State Nittany AI Challenge

University Park, PA

- Managed an agile development team of 5 students by assigning tasks, providing technical support, and reviewing progress at sprint deadlines
- Designed an AI-based chatbot to answer common Penn State advising questions using the Django web framework and IBM Watson Assistant API
- Received over \$1,500 in funding to further development of a Minimum Viable Product after being selected as one of the top 10 projects out of over 60 other teams

HONORS

Penn State President Sparks Award

March 2019

Penn State President's Freshman Award

April 2018

National Merit Scholarship Finalist

February 2017

Valedictorian | Montour High School

June 2017