

NIKITA PETRENKO

EMPLOYMENT

DevOps Engineer, Intern **Cornerstone OnDemand** **March 2021 – Present**

- Developed new features for AWS CI-CD Deployment Pipelines.
- Built new toolsets in AWS for monitoring, alerting, and deployments.
- Troubleshooted internal issues in company's enterprise applications.
- Participated in ongoing SCM/Build on call rotations.

Technical Expert **Apple** **April 2018 – August 2019**

- Diagnosed software and hardware problems of iOS devices and provided solutions for those issues.
- Provided personal training to new and returning customers to help them acquire new skills in using their devices.
- Collaborated with coworkers to provide optimal and fast solutions to customer issues.
- Promoted to Technical Expert in August 2018; performed hardware repairs of iOS devices.

EDUCATION

State College, PA **Pennsylvania State University** **August 2018 – May 2021**

- B.S. in Computer Science
- Coursework: OOP with Web-Based Applications, Calculus and Vector Analysis, Matrices, Discrete Mathematics, Numerical Analysis, Elementary Probability, Computer Vision, Algorithms and Data Structures, Operating Systems, Programming Language Concepts, Database Management Systems, Theory of Computation, Microprocessors and Embedded Systems, Web Design.

TECHNICAL EXPERIENCE

Projects

- **Wordy App** (2018). iOS application that allows users to take a picture of an object and learn what is the name that object in a foreign language of their choice. Swift, Vision, CoreML, Google Cloud Translate
- **Doc.AI** (2019). iOS application that allows doctors to capture a CT scan of a brain with a tumor to determine whether the tumor is malignant or benign. Swift, Vision, CoreML, CreateML, Firebase
- **I Know Trash** (2019). Smart trash can that uses computer vision to determine whether something is trash or recycling and allocates it into an appropriate trash bag. Swift, Vision, CoreML, CreateML, Firebase
- **VaxsPass** (2021). iOS application that allows users to get their Covid ID stored on the blockchain, discover locations that administer vaccine shots, track vaccine distribution, and ask questions about COVID-19. Swift, Flask, Google Cloud Vision API, Alchemy API, Solidity, GPT-3, Heroku, Firebase

AWARDS

- **Best Use of Google Cloud Platform, DragonHacks:** Awarded Best Use of Google Cloud Platform for I Know Trash project, out of 36 projects.
- **Best Mobile App, SF Hacks:** Awarded Best Mobile App prize for iOS Doc.AI project, out of 61 projects.
- **Third Place - Best Overall Hack, SF Hacks:** Awarded 3rd place prize for iOS Wordy App project, out of 33 projects.
- **Honorable Mention - Best Hack using Alchemy API, TreeHacks:** Awarded honorable mention for iOS VaxsPass app, out of 224 projects.

Languages and Technologies

- Python, Swift, C, Java, SQL, JavaScript, Shell, HTML/CSS, Git, Jenkins, GCP, AWS
- VS Code, Microsoft SQL Server, Xcode