Dylan Fernandes

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EXPERIENCE

SWIFT, *Software Engineer Intern*

JUNE 2019 - PRESENT

Interning in the Innovation Labs evaluating application security software for company use, using graph databases and deep graph learning for anomaly detection.

Minsight Co, *Software Engineer Intern*

JUNE 2017 - AUG 2017

Wrote parts of a REST API in Go and MongoDB.

EDUCATION

University of Virginia, *BS Computer Science (Dean's List-GPA 3.54)*

AUG 2018 - MAY 2022

PROJECTS

Banking for the Disabled — *Hackathon Project*

Created a prototype for a banking system that used eye movements to move the cursor and voice recognition to navigate and make basic financial actions (making a withdrawal, etc.).

ILITE Website — *ILITE Robotics*

Led dev team to rebuild team website (ilite.us) with a whole new design and code structure. Used ReactJS, Gatsby, and LESS. Stripped codebase of over 50,000 lines of code. Wrote around 5000 lines of code.

Transaction Dashboard — *SWIFT*

Built a proof of concept transaction dashboard using graph databases; pitched graph databases and transaction dashboard to CIO.

SKILLS

Data Science/ Machine Learning (Python - Tensorflow, PyTorch, Keras)

Back End Web Development (NodeJS, Flask, Django)

Front End Web Development (HTML, CSS, JS, React, SASS)

Object Oriented Programming (Java, Python)

Database Development (SQL, MySQL, MongoDB, TinkerPop, Cassandra, Oracle, DataStax Graph)

AWARDS / CERTIFICATES

UVA Entrepreneurship Cup Concept Competition Winner

NVCC Database Management Certificate

Capital One SES Hackathon Runner up

EXTRACURRICULARS

Machine Learning Club (Executive Board)

HooThinks Consulting Club (CoVP of Data Analysis)

FRC Team 1885 ILITE Robotics (Lead Web Developer, Conference Speaker)