

Nathan Lewis

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Education

Duke University, Pratt School of Engineering

August 2016-May 2020

Major(s): Electrical and Computer Engineering B.S.E., Computer Science B.S.

Durham, NC

- **GPA:** 3.5/4.0
- **Karsh International Scholar:** Full-ride merit scholarship for international students that provides funding and presents enriching opportunities to me throughout my entire time at Duke.
- **Relevant Coursework:** Data Structures & Algorithms, Software Design/Implementation, Everything Data, Computer Architecture, Fundamentals of Electrical & Computer Engineering, Signals and Systems.

Secondary School - St. Olaves Grammar School

September 2009 – June 2016

A-Levels: A*-Maths, A-Further Maths, A-Physics, A-Chemistry, A-Computing (AS).

Orpington, UK

Technical Skills

Java, Swift, Python, Javascript, Node.js, AngularJS, Ionic, MATLAB, SQL, Arduino, HTML/CSS, C, Firebase, AWS

Projects

VoogaSalad – Pokemon Creator

Team Leader

- Used JavaFX in a team of 8, acted as team leader and developed a grid-based authoring environment and game engine allowing the user to create a fully customizable Pokemon-esque game and play it.
- Worked on both front and back end of game engine and created additional features to authoring environment.

Narmi Banking Alexa Skill

- Developed an Alexa Skill that utilizes Narmi Banking's API using the Node.js framework and AWS lambda service providing users access to online banking through natural conversations.

iOS App Development | Cyphr

- Developed an iOS app written in Swift 3 targeted at rap enthusiasts after completing an intensive month-long iOS development course in South Africa as part of the selective program iXperience.
- Includes a built-in text editor that integrates a rhyming API, syllable counter and recording features.

Vex Robotics

Lead Designer/Driver

- Programmed (using a variant of C - robotC) and built a robot, in a team of 4, which won the 2016 UK National tournament and competed in the World Tournament in Kentucky.

Work Experience

Ecobloom (Full Stack Developer Intern)

May - August 2018 | Stockholm, Sweden

- Joined the start-up prior to the Kickstarter launch of their EcoGarden product.
- Assigned to develop the app using Ionic Framework/AngularJS and integrate it with the sensors and mechanisms connected to the PCB on the product using Firebase and Mongoose OS.
- Attended investor pitches, product exhibitions and contributed to general design and distribution strategy.

BCG Externship (Junior Consultant)

August 2018 | Boston, US

- Invited after an interview at the selective Bridge to Consulting program and will undergo weeklong shadowing experience.

Network Rail – Crossrail Project (Engineering Intern)

July 2014 | London, UK

- Shadowed engineers working as part the traction power team and visited construction sites of feeder stations to view relationship between engineers and contractors for the new Crossrail project.

Extracurricular Activities & Leadership Roles

Vice President of Sophomore Class

April 2017-April 2018

- Elected by the student body to serve as the Vice President of Duke Class of 2020
- Organized events for the sophomore class throughout the year to foster relationships between students

Catalyst

September 2017-Current

- Chosen from a highly selective admissions process to join Duke's pre-professional tech society.
- Regularly attend technical workshops, guest speaker and social events with other tech enthusiasts.

Duke University Club Rugby – Social Chair

2016-Current

- Play on the Duke Club Rugby team and hold the position of social chair for the club.
- Played competitively for the First XV and Senior Sevens team throughout secondary school.

WXDU (88.7FM) DJ

2018-Current

- Host a weekly show in which I discuss topics and play a variety of music on college radio station WXDU.