

Nicholas Flanders

COMPUTER SCIENCE STUDENT · NORTHEASTERN UNIVERSITY

☎ 603-660-3536 | ✉ flanders.n@husky.neu.edu | 🏠 nflanders.com | 📱 nflanders9 | 🌐 nicholasflanders

Education

Northeastern University

Boston, MA

COLLEGE OF COMPUTER AND INFORMATION SCIENCE

2014 - present

- Candidate for a Bachelor of Science in Computer Science, 2018 · Mathematics Minor
- GPA: 3.98/4 · Dean's List all semesters · Honors Program
- *Relevant coursework:* Object-Oriented Design · Algorithms and Data · Database Design · Programming in C++ · Logic and Computation · Discrete Structures · Fundamentals of Computer Science · Calculus 3 · Linear Algebra

St. Paul's School Advanced Studies Program

Concord, NH

ARTIFICIAL INTELLIGENCE PROGRAM

Summer 2013

Goffstown High School

Goffstown, NH

VALEDICTORIAN · GPA: 4.0/4.0

2010 - 2014

Experience

Apple

Sunnyvale, CA

SOFTWARE ENGINEERING INTERN

January - August 2016

- Developed back-end web services for a data aggregation and visualization platform using Java, Scala, and Python with data persistence from PostgreSQL and Redis
- Created robust, fault-tolerant, concurrent microservices using the Play and Flask frameworks
- Developed internal tools to automate deployments on a proprietary hosting platform
- Defined and implemented performant data models and relational database schemas

Albany Engineered Composites

Rochester, NH

SOFTWARE ENGINEERING INTERN

June - August 2015

- Developed, deployed, and maintained an automated test framework and build server in Python and Perl
- Developed a GUI front-end using Python and Tk to facilitate future expansion and maintenance of the test framework
- Contributed to the development of proprietary 3D composite material CAD software in C++

Northeastern University

Boston, MA

COMPUTER SCIENCE TUTOR

September - December 2015

- Tutored peers in CS2510, a course focused on the software design process and the introduction of object-oriented programming

Skills

LANGUAGES

- Python, Java, Scala, Swift, C++, Derivatives of Lisp
- Experience with HTML, CSS, and Javascript
- Strong understanding of object-oriented software design
- Experienced with data modeling languages: JSON, YAML, XML

DEVELOPMENT TECHNOLOGIES

- *Databases:* PostgreSQL, MySQL, Cassandra, MongoDB
- *Web Frameworks:* Flask (Python), Play (Scala), Qbit (Java)
- *IDEs:* IntelliJ Idea, Eclipse, PyCharm, Visual Studio
- *Platforms:* Heroku, Kibana, Splunk, Jenkins
- *Other:* Git, Gradle, SBT, Unix terminal, Windows Command Prompt
- *Systems:* Linux (Debian, Ubuntu), macOS, Windows, iOS, Android

Projects

PORTAL++

2D portal-style platformer game implemented in C++

POLLDIT

Reddit political sentiment analyzer using Python for natural language processing

HUSKYFY

Crowd-sourced campus Spotify radio Node.js web app with a Python/Tk admin GUI