

# Daniel D. Cox

SOFTWARE ENGINEER

1924 East 51st Street Brooklyn, New York 11234

☎ (+1) 347-668-1978 | ✉ ddc3372@rit.edu | 🏠 danielcox.software | 📱 dariuscox | 🌐 danielddcox

*Objective: To obtain a cooperative education experience in the software engineering field.*

## Education

### Rochester Institute of Technology

B.S. IN SOFTWARE ENGINEERING

- Modern Language Russian Minor

*Rochester, New York*

*Sept. 2014 - Present*

### Saint Petersburg State University

STUDY ABROAD

*Saint Petersburg, Russia*

*Summer 2016*

### Brooklyn Technical High School

*Brooklyn, New York*

## Experience

*June 2014*

### Undergraduate Researcher

LSAMP SCHOLARS PROGRAM, ROCHESTER INSTITUTE OF TECHNOLOGY

- Interpreted and analyzed monocular visual odometry algorithms using cross validation testing.
- Constructed Monocular SLAM algorithm for Husky-UGV Robot.
- Reported and presented results at various research conferences.

*Rochester, New York*

*May 2017 - Aug. 2017*

### ACI Worldwide

ASSOCIATE SOFTWARE ENGINEER

- Worked remotely with a SCRUM team based in Kazan, Russia.
- Java development - Maven and Spring project in IntelliJ Environment
- DevOps - worked with Docker and Kubernetes for building and managing a project
- Big Data - interfaced with Apache Hadoop and Cassandra for data management
- Knowledge Transfer - assisted with bringing new team members up to speed
- Testing and maintenance - implemented fixes for both pre and post release bugs.
- Design experience - Participated in weekly brainstorming sessions

*Fairport, New York*

*Jan. 2017 - April 2017*

### The State Hermitage Museum

SOFTWARE ENGINEER INTERN, VOLUNTEER SERVICE

- Took over management of benevole.ru, the volunteer service information website.
- Fixed bug where language switch would redirect to home page instead of current.
- Converted website from plain HTML to PHP WordPress for management ease.
- WordPress implementation allows for non-specialists to update website content.
- Assistance managing website post-internship remotely.

*Saint Petersburg, Russia*

*Summer 2016*

## Projects

### 1st Place - ACM-ICPC International Collegiate Programming Contest

ROCHESTER INSTITUTE OF TECHNOLOGY QUALIFIER

- Java: 3 person team given 8 algorithmic problems in a 5 hour time constraint
- In charge of problem selection, raw solutions, and pseudo code
- Represented RIT in the Oswego, NY Regional Competition

*Fall 2016*

### Financial Portfolio Tracking System

JAVA APPLICATION DESIGNED TO MANAGE FINANCIAL PORTFOLIO.

- 10 Week 4 Person Team Project, GOF Design Patterns, AGILE.
- In charge of Java FX UI implementation.
- Created database and structures to hold portfolio data.
- Connected application to Yahoo Finance API for stock data.

*Spring 2016*

## Skills and Programs

Java, Python, SQLite, HTML, Django, OSX, Windows, Linux

Russian, Autodesk Inventor, Autodesk Revit, Microsoft Office, WordPress

## Classes

Intro to Software Engineering, Computer Science I and II, Engineering of Software Subsystems, Math Models of Software Engineering, Honors Analysis of Algorithms, Computer Science Theory

## Extracurricular Activity

RIT Electric Vehicle Team, RIT Men's Club Volleyball Team, RIT Intercollegiate Programming Team, Volleyball Coaching, Website Development, People to People Student Ambassador