# Nikoleta Koleva

**Phone:** (917) 553-4544 | **E-mail:** kolevn@rpi.edu | **Portfolio:** nvkoleva.github.io

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## EDUCATION

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|---|---|---|
| **B.S in Computer & Systems Engineering: Rensselaer Polytechnic Institute (RPI)** | Troy, NY | *December 2020* |

- Relevant Coursework: Data Structures & Algorithms, Computer Hardware Design, VLSI Design, Computer Architecture, Networks & Operating Systems, Computer Components and Operations, Signals & Systems, Engineering Probability

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## EXPERIENCE

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| **UBS Financial Services, Group Technology: Software Engineering Intern** | | |
| | Weehawken, NJ | June 2019-August 2019 |

- (*Summer '19*):
- Winner of UBS Summer Intern Challenge 2019 for researching and testing multi-language tool to detect red flags and non-compliant communications with flagged instances on the cloud, using Hadoop Clusters, and Azure
- Implemented web application using .Net, jQuery, JavaScript, and C#, dealing with calculations and early termination fees within the Investment Bank
- Communicated with business-side and resolved long-standing critical issues, such as dynamic and accurate multiple language translation, using C# pattern algorithms
- Utilized agile development cycle, using Jira and Git, and participated in daily international stand-up meetings and feature releases

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| | Weehawken, NJ | June 2018-August 2018 |

- (*Summer '18*):
- UI development, using JavaScript, React, and Redux, including finding and debugging defects, as well as building features on web application
- Back-end development, using Java, for communication with Oracle databases and UI integration
- Researched and implemented SchemaSpy to connect with Oracle database and display schema and entity-relationship diagram visualizations, through command-line arguments
- Integrated ESLint linting tool for ensuring code follows same conventions throughout code-base is more easily navigable
- Built randomizing networking application as lead-developer on intern project and presented in front of executive directors

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| **Pro Bono Net, Inc.: Software and Technology Intern and Consultant** | New York, NY | July 2016-August 2016, May 2017-August 2017 |

- Proposed and set up Selenium IDE and Web Driver company-wide for automated testing
- Proposed and set up Power BI company-wide for convenient access to business intelligence data such as SQL server, Google Analytics, and Zendesk in compiled reports
- Created and presented XML and Python algorithms resulting in automated edits and updates in front of senior management, approved and used company-wide
- Led software group meetings, involving CTO and technical project managers, regarding new proposals and JIRA agile sprint optimizations

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| **UFO Power Aerial Services: Engineering Intern** | Sofia, Bulgaria | August 2015 |

- Wired and soldered drone motors, microcontrollers, and other various drone parts
- Communicated with and contracted four international customers

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## SKILLS

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| **Languages:** | C++, C, C#, JavaScript, HTML/CSS, Python, SQL, VHDL, Arduino |
| **Frameworks:** | React, Redux, Node, .Net, Bootstrap, Git |
| **Embedded:** | Quartus II, Cadence IC Design, LogicWorks, Keysight Digital Oscilloscope |
| **Database:** | Oracle, SQL Server, Hadoop, Tableu, PowerBI, Google Analytics |
| **Other:** | Agile Development, JIRA, Project Management |

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## NOTABLE RECENT PROJECTS

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|---|---|---|
| UART RAM Transmission with FPGA | | Quartus II |
| Communication Red Flag System for UBS | C#/.Net | Hadoop |
| Portfolio Git Page | HTML/CSS | JavaScript |

*United States Citizen*