

Nikoleta Koleva

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EDUCATION

B.S in Computer & Systems Engineering: Rensselaer Polytechnic Institute (RPI)	Troy, NY	December 2020
<ul style="list-style-type: none">Relevant Coursework: Data Structures & Algorithms, Computer Hardware Design, VLSI Design, Computer Architecture, Networks & Operating Systems, Computer Components and Operations, Signals & Systems, Engineering Probability		

EXPERIENCE

UBS Financial Services, Group Technology: Software Engineering Intern	Weehawken, NJ	June 2019-August 2019
<ul style="list-style-type: none">(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 AzureImplemented web application using .Net, jQuery, JavaScript, and C#, dealing with calculations and early termination fees within the Investment BankCommunicated with business-side and resolved long-standing critical issues, such as dynamic and accurate multiple language translation, using C# pattern algorithmsUtilized agile development cycle, using Jira and Git, and participated in daily international stand-up meetings and feature releases		
Pro Bono Net, Inc.: Software and Technology Intern and Consultant	Weehawken, NJ	June 2018-August 2018
<ul style="list-style-type: none">(Summer '18):UI development, using JavaScript, React, and Redux, including finding and debugging defects, as well as building features on web applicationBack-end development, using Java, for communication with Oracle databases and UI integrationResearched and implemented SchemaSpy to connect with Oracle database and display schema and entity-relationship diagram visualizations, through command-line argumentsIntegrated ESLint linting tool for ensuring code follows same conventions throughout code-base is more easily navigableBuilt randomizing networking application as lead-developer on intern project and presented in front of executive directors		
Pro Bono Net, Inc.: Software and Technology Intern and Consultant	New York, NY	July 2016-August 2016, May 2017-August 2017
<ul style="list-style-type: none">Proposed and set up Selenium IDE and Web Driver company-wide for automated testingProposed and set up Power BI company-wide for convenient access to business intelligence data such as SQL server, Google Analytics, and Zendesk in compiled reportsCreated and presented XML and Python algorithms resulting in automated edits and updates in front of senior management, approved and used company-wideLed software group meetings, involving CTO and technical project managers, regarding new proposals and JIRA agile sprint optimizations		
UFO Power Aerial Services: Engineering Intern	Sofia, Bulgaria	August 2015
<ul style="list-style-type: none">Wired and soldered drone motors, microcontrollers, and other various drone partsCommunicated with and contracted four international customers		

SKILLS

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, RISC-V, Keysight Oscilloscope
Database:	Oracle, SQL Server, Hadoop, Tableau, PowerBI, Google Analytics
Other:	Agile Development, JIRA, Project Management

NOTABLE RECENT PROJECTS

UART RAM Transmission with FPGA		Quartus II
3-input Logic Gate Design and Transient Response		Virtuoso
Communication Red Flag System for UBS	Cadence IC	Hadoop
Portfolio Git Page	C#/.Net	JavaScript
	HTML/CSS	