Nikoleta Koleva

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EDUCATION

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

- Rensselaer Leadership Award

EXPERIENCE

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

- (*Summer '19*):
- Winner of UBS Summer Intern Challenge 2019 (certificate)
- 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
- Researched and tested multi-language tool to detect red flags and non-compliant communications with flagged instances on the cloud, using Hadoop Clusters, and Azure
- Utilized agile development cycle, using Jira and Git, participated in daily international stand-up meetings, and in feature releases

	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

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

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

RELEVANT COURSEWORK & EXTRACURRICULARS

RPI Sport Tae Kwon Do: Social Media and Marketing Officer	Troy, NY	Jan 2017- May 2019

- Administrator and manager of main club Facebook promotion page

Laboratory Introduction to Embedded Control	Troy, NY	June 2016

- Used Silicon Labs C8051 microcontroller combined with C programming to control motor, servo, range, navigation, and elevation of model car and blimp
- Programmed memory game, obstacle avoidance, slope detection, slope climbing, compass reading, range detection, propeller speed, and stability on model car and blimp

SKILLS

Programming
- Intermediate C++, WSL, C, beginner Java, Python, HTML/CSS, JavaScript, beginner React/Redux, Arduino, PHP, Lego Mindstorms, Logic Works, P Spice, Espresso

Technical:
- Power BI, Selenium, Google Analytics/Tag Manager, Visual Studio, SQL Server, SSRS, SSMS, Excel, Adobe Photoshop and After Effects, LaTeX, JIRA, MS Project

United States Citizen