

Nikita Orlov

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Skills

- Technical Skills: Python, C/C++, SQL, JavaScript.
- Ability to work independently or collaboratively in a team evidenced by previous project collaborations and work experiences.
- Able to quickly master new technologies and concepts with little prior knowledge.
- Aim for sustainability and scalability in developed software as seen through facilitating multiple updates for an app.

Education

- Candidate for Bachelor of Computer Science, University of Waterloo, ON, Expected Completion: April 2020.
 - Chairman of Book Club and Member of Computer Science Club (CSC).

Key Projects

- Built ML decision tree algorithm to classify social media comments using Naïve Bayes model and iterative priority queue model in Python.
- Designed and implemented peer-to-peer file sharing torrent server and client without additional libraries allowing asynchronous data chunk transfer in Python.
- Developed SQL injection exploit into SQLite3 database and padding oracle attack to decrypt cipher-block chaining messages for sandbox server in Python.
- Wrote Android app in Java which uses ANU Quantum Number Server API to generate truly randomized passwords, coin flips, dice rolls, etc which has amounted to 1600+ lifetime users on Google Play Store.
- Implemented system calls, thread concurrency and memory management features into bare-bones OS/161 kernel in C.
- Collaborated with 2 peers to create Object-oriented turn-based card game following PIMPL, RAII, NVI, Observer, Decorator, Factory, Model-View-Controller design patterns using C++11.

Experience

- Software Developer (Intern), Vocalmeet, Toronto, April 2018 – September 2018.
 - Closely collaborated with a dev team to design CMS platforms fitting client's needs.
 - Developed front-end interfaces using JavaScript libraries such as jQuery and Backbone.js.
 - Implemented REST API in JavaScript to assist with back-end MySQL database interactions.
 - Found and integrated or manually built JavaScript libraries to fulfill platform feature requests.
 - Built APIs for 3+ major payment gateways in PHP.
- Cast Member, Cineplex, Toronto, 2015 - 2016.
 - Worked in a team with up to 50 other people in a group-oriented, fast-paced environment.
 - Greatly developed interpersonal skills in order to communicate with hundreds of clients per day.
 - Excelled at job task planning and organizing under pressure to ensure client satisfaction.

Interests

- Reading, Fitness, Stocks, Cooking.