**Jasenko Cordalija**

jasenko.cordalija@gmail.com | (425) 283-2336 | linkedin.com/in/cordalija | github.com/J1475

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| **Objective** |

Results oriented professional with excellent communication and analytic skills, and ability to rapidly assess business needs and appropriately apply technological solutions. Highly motivated in pursuing a challenging and rewarding engineering position in the Software development industry utilizing a diverse skill set, while providing ample opportunity to develop and advance my talent in the Computer Science field.

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| **Education** |

* University of Washington Bothell  
  *Bachelor of Science, Computer Science and Software Engineering (3.5GPA)* (Fall, 2018)

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| **Technical Skills** |

* Programming Languages: C++, Java, C#, C, JavaScript, MySQL, MSSQL, NOSQL,

Redshift, Python, HTML, CSS, Assembly(x86), R, Solidity, Pine

* Database Management: SQL Server Management Studio, Microsoft Power BI, MS

Access, Excel, Docker, EMR, Tableau, SSRS

* IDE’s, Tools, & Environments: Visual Studio Online (VSO), Azure, AWS, PowerShell, Git,

UIAutomation, Jira, SCCM, Valgrind, Ethereum Blockchain

Virtual Machine, Linux, UNIX, Bash, Android, Appium, Eclipse

* Languages: German, Croatian, Bosnian, Russian

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| **Qualifications** |

* Knowledgeable in Agile methodologies & testing: Scrum, Waterfall, Kanban, Lean.
* Highly proficient in Technical Writing, software documentation, and workflow visualizations.
* Application and understanding of emotional intelligence to overcome group challenges.
* Eager to initiate action with a take-charge attitude whenever necessary in group settings.
* Excellent attention to detail, verbal and written communication skills.
* Able to work and manage time effectively under pressure and strict deadlines.

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| **Professional Employments** |

*Onsite Computer Tech Admin, X-Gym (Kirkland, WA)*  (2017 – present)

* Configuration, monitoring, maintaining, upgrading local hardware & software systems.
* Diagnosing, troubleshooting and resolvement of computer systems, operating systems, peripheral equipment, network services, applications, and web browsers.
* Responsible for optimizing performance of environments and solution.
* Hardware & software install, including network infrastructure connectivity maintenance.
* Provide technical support, targeted instructions, daily system maintenance, and incremental scaling.
* Experience providing support for Windows, macOS/iOS, Windows Server, Android, Linux, and Office 365, Cisco VPN, Zoom.

*University of Washington (Bothell) UW Computer Lab* (2018)

* Designed a Cybersecurity Faculty Research project intended for educating, identifying, training and testing clients on technical security with regards to desktop and mobile applications, hardware, and network security systems.
* Worked on designing, developing, and demonstrating penetration testing methods for network security and fundamentals of digital forensics. on Linux and Windows.
* Designed security testing and troubleshooting strategies for Android mobile applications.

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| **Project Experiences** |

*FileSystem Implementation (Java)*

* Collaborated with classmates to designed and implemented a Linux File System.
* Devised, implemented file structure table, file descriptor table, and thread control blocks (TCB) scheduler for managing user threads.
* Aided in designing unit test to ensure data on memory disk was synchronized by file system.
* Designed documentation outlining appropriate handling of wrongful file access operations.
* Responsible for conducting primary communication between team members to meet project deadline, understand and meet requirements, while working within provided guidelines.
* Provided useful documentation and research to aid members in resolving 'cases' problems.

*68K Disassembler (Assembly)*

* Led a 3 persons team in developing an inverse assembler, which converts a memory image of instructions & data from machine code to 68K assembly language and outputs the disassembled code onto the display.
* Developed primary framework design and Flowcharts.
* Devised and implemented disassembler loop, subroutines modules, and user input modules.
* Conducted self-guided research in the understanding of low level languages in order to gain insight of underlying hardware and overall relation to high level code.
* Designed series of unit tests to assess the validity and accuracy of individual memory images of instruction and data from machine code to 68k Assembly.

*Movie Rental Business System (C++)*

* Designed an automated movie inventory tracking and management system.
* Implemented a hash table to aid in tracking transactions of individual movies.
* Ensured project stayed within provided guideline requirements such as specified utilization of inheritance, hash tables, and dynamic memory allocation.
* Designed series of UML diagrams illustrating class relations between customers, transaction data, and movie inventory.
* Actively listened and questioned members to help identify communication & work pressure problems.

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| **Relevant Coursework** | |  |
| * Data Structures | * Project Management | * Computer Architecture |
| * Operating Systems | * Software Analysis and Design | * Discrete Mathematics |
| * Database Systems | * Algorithms | * File Structures |