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| EducationBachelor’s Degree in Computer Science *(In Progress)*The University of Rochester*Currently Attending*  * 3.3 Major GPA * Xerox Award for Innovation  High School Diploma*Forest City Regional High School*2014 – 2019  * 4.0 GPA * U.S. President’s Award for Outstanding Academic Achievement * NIST Recognition Award  Skills  * Python, LAMP, CSS, HTML, JS * User Interface Design and Development * Audio Engineering, Mathematics, Digital Audio Workstations * Object-Oriented Programming (OOP), Model-View Controller (MVC), Algorithms and Datastructrures (DST) * Database Management Systems (DBMS)   Interests   * Audio Production and Engineering, Acoustics, and Drumming. * Encryption, Small Hardware, and Mobile Applications. * Mathematics, Various Research, and Artificial Intelligence.   Contact   * [JoshuaLoysch@outlook.com](mailto:JoshuaLoysch@outlook.com) * 570.280.5960 * www.linkedin.com/in/jloysch/ * www.jloysch.github.io | ExperienceComputer Science Tutor GradePotential Tutoring Remote, (2023 – *Present*)  * Developing and delivering comprehensive computer science curricula, resulting in a 30% increase in student engagement and a 20% improvement in exam scores. * Created and curated 100% of course materials employed during instruction.  Delivery Partner*Grubhub, Door Dash, UberEATS*Rochester, NY (2022 – 2023)  * Efficiently executed order distribution to 200+ customers within a 25mi radius. * Orchestrated seamless and on-time delivery of products, ensuring end-to-end safety and proactively addressing any potential risks; maintained open lines of communication with stakeholders, resulting in a 90%+ customer satisfaction rate.  Dietary Aide*Forest City Nursing and Rehab Center*Forest City, PA (2017 – 2020)  * Resolved an average of 100+ resident requests daily, achieving a 95% satisfaction rate; implemented highly efficient organizational systems that reduced response time by 50% or more, while minimizing errors across the board. * Streamlined delivery operations through process optimization resulting in a consistent reduction of service times by 40% or more.   Projects   * SPAN (Codename SPAN)   **SPAN** (Codename SPAN) is an encryption algorithm developed from scratch using no existing libraries, the algorithm is implemented in JAVA.   * SPAN appears to be as strong as current variants of AES / RSA in that it would take over an estimated 2^256 operations or better to break a cipher. * LOOPS (Local Offline-Only Password Solution)   **LOOPS** (Local Offline-Only Password Solution) is a cross-platform app which operates as a central place to store secrets such as account passwords and other information.   * 100% of information stored inside LOOPS is encrypted using SPAN, presenting a key that is over 98.7% smaller than the average AES key, which is resulting in easier shared secrets management through reduced storage and processing needs.  More Skills and Keywords  * Leadership, Teamwork, Organizational Skills, Communication, Collaboration, Customer Service, Consistency in Performance, Dedication, Loyalty, Self-Improvement, Critical Thinking, Problem Solving, Design, Analytics, Development, Software Engineer, 140 WPM. * XML, Web Developer, NodeJS, React Native, ReactJS, JSON, Excel, Full Stack, API, Databases, Technical Documentation, UI, git, Unit Testing, Outlook, Excel, Ticketing Systems, Hardware, Back end, Front end, Linux. |
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| ***J/L*** | JOSHUA LOYSCH | SOFTWARE DEVELOPER | |
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