Maxwell Lubarsky

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Education

University of San Francisco | San Francisco, CA   **Expected: June 2025**
B.S. Computer Science

Relevant Coursework: Automata Theory, C and Systems, Computer Architecture, Computer Networks, Data Structures & Algorithms, Machine Learning, Full-StackSoftware Development

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Technical Skills

- **Programming Languages:** Python, Java, C, SQL, RISC-V Assembly.
- **Software & Tools:** CLion, Eclipse, IntelliJ, Visual Studio Code, Oracle SQL Developer, Git Bash, GitHub, Jupyterlab, Microsoft Office 365, Google Suite, Sublime Text, Wireshark, Ubuntu, Windows CMD, Slack, ServiceNow, Railway
- **Hardware:** Windows, Macintosh, Linux/Unix
- **Languages:** Fluent in English and Russian

Projects

AQI Predictor | Python
- Built a Long Short-Term memory (LSTM) recurrent neural network model in to predict San Francisco's Air Quality Index with 87% accuracy. Utilized Jupyter Notebook for implementation and GitHub for version control.

KMeans | Python
- Designed and implemented a custom KMeans clustering algorithm achieving 97.5% accuracy. Demonstrated proficiency in algorithm optimization and data clustering techniques.

Search Engine | Java
- Developed a full-stack search engine featuring an in-memory inverted index and multithreaded web crawler with 2,000+ lines of code (SLOC). Utilized Apache OpenNLP, TD-IDF, Apache Log4j2, sockets, HTTP, Jetty servlets, HTML, Bulma CSS framework. Deployed JUnit for testing, Apache Maven for build management, and GitHub for version control.

Professional Experience

University of San Francisco, ITS | San Francisco, CA   **May 2023 - present**
Application Technician
- Collaborate with application administrators and programmers to provide technical support and resolve complex client issues.
- Develop and maintain technical documentation, including knowledge base articles and an outage tracker.
- Manage multiple ticket queues using ServiceNow, ensuring timely escalation and resolution of technical incidents.

Jun 2022 – May 2023

Help Desk Technician
- Delivered technical support to 5,000+ faculty, staff, and students, through phone, walk-ins, and remote troubleshooting.
- Created and managed support tickets using ServiceNow, ensuring efficient resolution and follow-up.
- Troubleshot a wide range of technical issues including Wi-Fi, VPN, printing, Canvas, Cisco Jabber, Ellucian Banner, Duo Mobile, Gmail, and the University's web-based app.