# Dustin Yansberg
Software Engineer | Seattle, WA

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## Technical Skills

JavaScript, React, Express, MongoDB, Firebase, Node.js, Material UI, WebRTC, Python, Flask, AJAX, MySQL, NoSQL, Java, FXML, C++, C, C#, ASP.NET Core, Git, Bash, HTML5, CSS, Windows, Linux, Unix Commands, Operating Systems, JSON, Bootstrap, API, ORMs, Software Engineering, Communication skills, Debugging Software, Diagnostics, SDLC, Scrum and Agile Methodologies

## Projects

### Video Calling and Gaming Web Application | *Full Stack Software Engineer*

*Social platform that randomly connects users with other users from around the world. The platform enables users to engage in video calling and casual multiplayer game playing while maintaining control on whether they stay connected with any given user..*

- Designed and built a database with Google's Firebase that facilitated direct P2P communication between users in order to limit latency between users' video streams.
- Made an attractive and responsive user interface by implementing Material UI components in ReactJS while following the presentational and container component pattern resulting in a seamless user experience with clear and intuitive interactivity.
- Created a peer connection between two users by first introducing them through a STUN or TURN server and using WebRTC Protocol to find their shortest and best path of connection.

### Sentiment Analysis of Customer Reviews | *Machine Learning Engineer*

*Built a sentiment analysis ML model which results in 80% accuracy by way of Multinomial Naive Bayes Algorithms. Languages, libraries, and tools used include Python, Matplotlib, scikit-learn, and Jupyter Notebook.*

- In Python, performed sentimental analysis on reviews of products and services from multiple platforms.
- Performed data cleaning and text analysis to successfully prepare data for EDA which led to the identification of crossover words for removal.
- Applied multinomial Naïve Bayes algorithm to produce a final model with over 80% accuracy in sentiment classification.

## Professional Experience

### Software Engineer Co-Op | Carrier Transicold | Syracuse, NY                      08/2022 - 12/2022

- Led a team through the development of a new Python-based internal tool in a live production environment
- Performed data gathering by collaborating weekly with cross-disciplinary teams to identify areas for improvement on components of weekly build prototypes
- Improved processing speed by 86% and implemented the ability to process multiple files at once, improving functionality
- Successfully integrated the new tool with 100% success rate into the organization's existing systems
- Reduced over 25% of resources needed to process substantial amounts of data
- Contributed to the organization's overall efficiency and effectiveness in data processing

### Associate Agent - Lead Agent | Redfin | Seattle, WA                      11/2016 - 08/2022

- Maintained a 5-star customer satisfaction rating by deploying a systematic approach that involved expert application of advanced interpersonal communication skills.
- Recorded detailed and concise documentation to ensure information parity amongst all team members.
- Collected and analyzed data to assess home values, market conditions, and performed market forecasting.
- Conducted presentations to convey market conditions and strategies resulting in client retention and increased revenue capture.

## Education

**Coding Dojo** | *Full-Stack Developer Certificate in Python, C# and Javascript/MERN* | Seattle, WA          11/2023
**Western Governors University** | *Bachelor of Science in Computer Science* | Seattle, WA          07/2023
**ITIL** | Foundation Certificate in IT Service Management | Seattle, WA          04/2023
**CompTIA Project+** | Project Management Certificate | Seattle, WA          06/2022