

## Vadim R. Castro

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### Experience

#### **Stickshift AI**

Austin, Texas

Senior Software Engineer, UI/UX

Dec 2023 - Oct 2024

- Added integration for GPT-4 Turbo and Claude 3.5 Haiku + Sonnet based search assistant
- Implemented Bing Autosuggest API for real-time search suggestions
- Designed & implemented mobile friendly UI using React
- Upgraded existing UI components to better conform to proximity & consistency design principles

#### **Goldman Sachs & Co.**

Dallas, Texas

Software Engineer, Platform & Data

Feb 2022 - April 2023

- Developed and implemented a streamlined data pipeline strategy to ensure data integrity across all stages of the data lifecycle (definition, in-app, at-rest/DB) across entire Digital Loan Agent system
- Developed and published custom internal Python libraries to GS private PyPi via Gitlab CI pipeline with automated dynamic versioning according to the PEP 440 specification
- Developed and managed CI/CD pipelines in Gitlab CI including testing, packaging & deployment jobs across multiple services (Orchestration, Payments, Demo)
- Developed a Demo Service for testing new features due to infancy and instability of DLA system
- Implemented Gitlab and Jira integration to allow team to reference Jira tickets in Git commit messages to track, update and close Jira tickets automatically and efficiently

#### **International Business Machines Corporation (IBM)**

Washington, D.C.

Associate Software Developer

August 2020 - December 2021

- Developed several REST services with Java, Spring Boot, PostgreSQL and AWS for GSA and FDA
- Iteratively designed and implemented DB schema, as well as developed an API and REST service for Data Scientists on GSA project
- Created Python scripts to automate DB instance configuration, data ingestion and data removal
- Occasionally performed code reviews for Data Scientists on GSA project

#### **Data Mining and Management Lab, UAlbany**

Albany, New York

Research Assistant

August 2018 - February 2019

- Analyzed time-evolving networks for anomalous event patterns
- Engineered software to identify and mine dynamic communities in temporal graphs
- Utilized metrics such as ROC AUC to optimize parameter values
- Synthesized mock data for testing
- Worked around a messy legacy codebase to implement new functionality

### Education

#### **University at Albany, SUNY**

Albany, NY

B.S. Computer Science and Applied Mathematics

August 2015 — May 2019

**Relevant Coursework:** Distributed and Parallel Computing (Graduate), Number Theory, Systems Programming, Automata & Formal Languages, Algorithms & Data Structures, Discrete Probability, Introduction to Combinatorics, Honors Calculus of Several Variables, Object Oriented Programming, Linear Algebra