Joseph (Joey) Rubas

Richmond, VA | joeymrubas@gmail.com | (630) 219–9451 | linkedin.com/in/joeymrubas | github.com/joeyrubas

EDUCATION

University of Virginia *(Echols Scholar)*   Charlottesville, VA   Aug 2022 – May 2025

B.A. in Computer Science; B.A. in Mathematics

Selected Coursework CS: Data Structures and Algorithms (Java), Systems and Organization (C), Synthesis Design (C++), Software Development (Java), Data Science (R), Data Visualization (JS, D3), Compilers (ANTLR4, LLVM), Cloud Computing (Python, AWS), Langs for Web (PHP, JS, Angular, React), Cloud Computing (AWS, Hadoop, LLMs), Cryptocurrency (Solidity)

Selected Coursework Math: Linear Algebra, Real Analysis, Probability, Algebraic Coding Theory, Complex Analysis, Differential Equations, General Topology

Honors: Ranked #3 nationally in Parliamentary Debate; Distinguished Service Award Recipient;

EXPERIENCE

CarMax   Richmond, VA   Jun 2023 – Present
Software Engineer I — Assessment Platform   Jul 2025 – Present

- Incoming backend engineer using .Net/Azure

Software Engineering Intern II — Payroll Platform   Jun 2024 – Aug 2024

- Automated payroll validation/normalization + API routing using **Azure Data Factory** and **.NET**.
- Codified infrastructure with **Bicep** and shipped CI/CD via **Azure DevOps (reproducible, auditable releases)**.
- Aligned upstream/downstream contracts across services with Swagger + JSON schema.

Software Engineering Intern I — Loan Services   Jun 2023 – Aug 2023

- Shipped an end to end **.NET**/**Azure** microservice simulating legacy loan routing (**unblocking vendor-dependent API tests**);
- Implemented config-driven request/response mapping for multiple QA/dev teams for flexible integration testing.
- Provisioned resources with **Bicep** and automated deploys via **Azure DevOps** for faster regression cycles.

SchooLinks   Austin, TX (Remote)   Jun 2020 – Aug 2020
Software Engineering Intern

- Normalized 900+ university name variants (**+10% search accuracy**) via Python string matching and heuristics.
- Automated Common App sync for **100K+** students (**lower ops toil, reduced data drift**) using a **Django** ETL.
- Built REST API tests and error budgets (**safer releases**) with Pytest + requests; added admin quality checks in Django admin.

PROJECTS

MIT–TAB (NU–TAB) *Primary Contributor*   Nov 2024 – Present

National debate tournament tabulation platform (~**1,500+** users/year).

- Eliminated **10+** N+1 hotspots and restructured database deployment (~**60% faster page loads**) (Python, **Django**).
- Centralized bulk check-in (~**50% faster ops**); added max-weight matching with configurable constraints for room assignment.
- Delivered CSV/JSON export pipelines (**ML-ready data**); cut asset sizes with **Webpack (faster TTI, reduced bandwidth)**.
- Introduced pre-commit, HTML linting (**fewer regressions**); wrote contributor docs.

APDA Standings (Black Rod) *Lead Developer*   Nov 2024 – Present

Official rankings platform for 1500+ member debate leauge.

- Implemented CI/CD and quality gates (**75% faster releases, 90% fewer human-error outages**) via **GitHub Actions**.
- Modernized stack (Python, Django, Node) (~**90% fewer known CVEs, ~15% speed gain**); fixed ranking/permission bugs.
- Built admin self-serve tools (~**50% fewer support requests**) and mentored new contributors (reviews, onboarding).

SKILLS

Languages: Python, C#, Java, JavaScript/TypeScript, SQL

Frameworks: Django, .NET, React, Vue, Express.js, Flask

Cloud/DevOps: Azure, AWS, Docker, Google Cloud GitHub Actions, Azure DevOps, Bicep, Webpack, Git

Data/Tools: PostgreSQL, Redis, MongoDB; Pytest, Postman, OpenAPI/Swagger; mypy/black; App Insights/Sentry