Ram Vuppaladadiyam

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EDUCATION

University of Virginia, Charlottesville, VA, *Software Engineer*   August 2016 – May 2020
Double Major: B.A. Computer Science | B.S. Commerce with Concentration in Finance and Track in Quantitative Finance
Study Abroad Spring 2019: Hong Kong University of Science and Technology
GPA: 3.6/4.0

WORK EXPERIENCE

WillowTree, Inc., Charlottesville, VA, *Software Engineer*   August 2020 – Present
- Optimized existing MySQL queries with indices to decrease query execution duration by up to 36%
- Implemented API endpoint for reporting feature that analyzed and summarized all collected security data
- Modularized domain areas in backend to increase decoupling while incorporating feedback from managers and test engineers
- Continually integrated design feedback while creating reusable Vue components
- Technologies Used: Node, TypeScript, Vue, MySQL, NestJS, TypeORM, Cypress, AWS (EC2, CodePipeline, CodeBuild)

UVA Research Data Services, Charlottesville, VA, *Data Analyst and Web Developer*   September 2019 – July 2020
- Analyzed journal usage across UVA academia and interpreted conclusions for key decision makers involved in the University's negotiations with journal vendors
- Identified business need for public-facing dashboard of analysis results and architected a solution with stakeholder feedback
- Designed and developed web application that displays results to all UVA faculty, staff, and students
- Refactored existing analyses and created docstring documentation for entire repository
- Technologies Used: Python (Django, Pandas, NumPy), MySQL, AWS S3, Heroku, HTML, CSS, JavaScript, Figma

The Blackstone Group, New York, NY, *Summer Business Analyst*   June 2019 – August 2019
- Redesigned fund page widgets for the investor-facing portal with Adobe Illustrator and Invision
- Created navigation experiences for Tableau dashboards that make the fundraising process more data-driven

PurPics (rebranded to Knit), Charlottesville, VA, *Database Engineer*   September 2018 – December 2018
- Designed and developed Flask backend with MySQL database for pilot web application within a small team

PROJECTS

AlliN1 Tennis   August 2020 – Present
Android application that tracks tennis players' training progress on the AlliN1 Tennis Backboard
- Designed solution for iOS and Android and incorporated feedback from users across various periods
- Partnered and collaborated with iOS developer to enable players across multiple platforms with similar training experiences
- Technologies Used: Android, Java, Kotlin, Google Firebase (Firestore, Authentication, Functions, Analytics), Figma

AIFEdge   January 2018 – June 2020
Web application that stores and displays analysts' investment pitches for the Alternative Investment Fund at UVA
- Led project and corresponded with investment committee to gather requirements and finalize designs
- Developed backend, wrote investment analytics Python scripts, and handled integration with front end
- Technologies Used: Python (Django), MySQL, AWS S3, Heroku, HTML, CSS, JavaScript

TennisStats   July 2017 – February 2018
Android application that records key metrics from a tennis match and generates a statistical summary report
- Reduced time required to record create statistics report by 68%, relative to doing so by hand
- Independently learned how to use AndroidStudio to build Android applications from Udacity courses and online tutorials
- Technologies Used: Java, XML, SQL, Android

SKILLS & INTERESTS

- Certifications: MuleSoft Certified Developer (MCD) – Level 1
- Technical Languages: Java, Python, TypeScript, C++, SQL
- Spoken Languages: Fluent in English, fluent in Telugu, proficient in Spanish
- Hobbies: Tennis, yo-yo tricks