

# Ram Vuppaladadiyam

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998 Salisbury Square, Charlottesville, VA 22901

## EDUCATION

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**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

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**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
- 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

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**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

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- 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