

NITI PAUDYAL

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Education

University of Virginia, Charlottesville VA — B.S. Computer Science, Minor: Business May 2016

- Programming Languages: Java, Python, JavaScript, C#, exposure to Swift, PHP, SQL
- Skills: Spark, Hadoop, Kudu/Impala, Cloudera Workbench, Tableau
- Relevant Coursework: CS 2150 Program and Data Representation, CS 4102 Algorithms, CS 3240 Advanced Software Development, CS4720 Web and Mobile Development, CS 4710 Artificial Intelligence

Projects

HELPLine, Undergraduate Capstone Project. 2016

- Developed a web application in Django for the anonymous telephone hotline service at UVA. The application maintains a call logging system and includes metric reporting features. The app utilizes MySQL, and D3.js

NightFly, Spring 2015

- An iOS application written in Swift where SnapChat meets Yelp integrated with the Facebook API that allows users to share pictures of local night life at UVA

Internal Student Council (Intranet). Fall 2014

- Developed a web application in Django to streamline internal operations for Student Council; provides tracking for attendance, finances, marketing materials, and an internal hub for documents

Relevant Experience

The Bank of New York Mellon, New York, New York July 2016-present

Software Engineer I Data Scientist

- Designed and led the successful integration of several API's for the Fund Accounting Application written in Java
- Revised the Expense Accounting API to adapt RESTFUL principles and successfully deployed the API from dev, test, uat and into production in the NEXEN API Store
- Analyzed data from NEXEN UI in Tableau to advise management on UI changes based on user behavior
- Building a large time series framework to perform factor analysis utilizing Kudu and the Hadoop infrastructure

Tesla Motors, Palo Alto, California May 2015-August 2015

Software Engineering Intern

- Built from scratch and deployed to production a completely new and responsive Internal Site that supports all internal operations at Tesla utilizing the Microsoft SharePoint platform with various JavaScript Frameworks, HTML, CSS, JQuery and C#
- Responsible for primary engineering and design decisions on a team of three

Undergraduate Teaching Assistant, University of Virginia Spring 2015 – Spring 2016

CS 4501: Programming Languages for Web Applications & CS 4720 Mobile Applications

- Grade and hold office hours for a course that utilizes PHP, MySQL, JQuery, JS, iOS and Android Development

Central Intelligence Agency, Langley, Virginia (May 2014 – Aug 2014, May 2013-Aug 2013, Dec 2013-Jan 2014)

Top Secret/SCI Clearances with current Background Investigation and full polygraph

Software Engineering Intern

- Led, designed, and developed a Windows Service utilizing the Windows Communication Foundation (WCF) to limit access to files and folders based upon read, write and view access
- Developed accompanying File Explorer Interface for the Windows 8.1 Operating system in C# utilizing XAML, WPF (Windows Presentation Foundation), the .NET Framework and Windows Forms with XML based configurations utilizing the WCF service.
- Utilized Android SDK and Java to develop small mobile communication applications
- Developed parsers to segment data files for a prototype system in C++

Leadership and Activities

WiCS (Women in Computing Sciences) – Founder, President

Microsoft Student Partner Fall 2014-August 2015

Student Council - Chief Financial Officer 2014-2015, Chief Technology Officer 2015-present