Jeremy Coy Barnes

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Education

Old Dominion University (Norfolk, VA) Aug 2020 – Present

**Master of Science: Computer Science**

**Bachelor of Science: Mathematics** Aug 2014 – Dec 2017

**Finance Minor: Risk Management and Insurance**

Tidewater Community College (Chesapeake, VA) Aug 2009 – May 2014

Associates of Science

General Education Certificate

**Relevant Analytic Coursework:**

College Algebra; Precalculus I and II, Calculus I; Calculus II; Logic and Philosophy; Elementary Statistics; Ordinary Differential; Abstract Algebra; Calculus III; Introductory Linear Algebra; Calculus IV Intro Analysis; Intro-Probability and Statistics; Theory of Probability; Theory of Statistics; Applied Numerical Methods I; Introduction to Data Handling; Regression and Time Series; History of Mathematics; Applied Numerical Methods II; Introductory Data Analysis; Nonparametric Statistics.

Work Experience:

**R&D Application Developer**

Paradigm, Inc (Virginia Beach, VA) Nov 2021 – Present

* Utilize virtual machines and servers
* Provide customer support
* Provide full-stack application programming support for SDLC
* Creates the designing, coding, testing, developing, and documenting of desktop applications, web application programs, website, and APIs
* Use Notepad, Notepad++, Microsoft SQL Server, Visual Studio, MVC, MVVM, Agile methodology, Jira Software, Confluence, Tempo, and Bitbucket
* Use technologies: HTML; CSS; JQuery; JavaScript; Bootstrap; Telerik; Prism; WPF; Node.js; Ajax; Json; C#; ASP.NET; .NET Framework 4.2+; ASP.NET Core; .NET Core; Entity Framework; batch scripts; PoSH scripts; VBA 32 bit/64 bit; REST; Linq; T-SQL

**Applications Programmer**

Imagine One Technology & Management, Ltd (Norfolk, VA) May 2018 – Nov 2021

* Utilized virtual machines and servers
* Provided customer support
* Provided full-stack application programming support for SDLC
* Assisted in designing, coding, testing, developing, and documenting desktop application and web application programs
* Used Notepad, Notepad++, UltraEdit, Toad, SSH Tectia, Microsoft Azure DevOps, Visual Studio, ServiceNow, MVC, and Agile methodology
* Used technologies: HTML; CSS; JQuery; JavaScript; Bootstrap; Vue.js; Vuetify; Ajax; Json; C#; ASP.NET Core; .NET Core; Oracle db; batch scripts; PoSH scripts; custom C/Java-like PL/SQL embedded language; REST; DevOps CI pipeline; Linq; Aspose.Cells; Aspose.Words; Aspose.PDF

**Contractor Independent Tutor**

Varsity Tutors LLC (Virginia Beach, VA) Feb 2016 – Jan 2021

* Provide individual and small group tutoring to students online or in person.
* Develop individualize lessons and present materials and concepts in engaging manner.
* Motivate students to achieve their goals
* Create test for students and tutors to test their knowledge of the subject.
* Topical tutored science subjects such as mathematics, statistics, and computer programming.
* Tutored at least 180 students in various levels from middle school to college.

**Contractor Automated/QA Engineer**

Then Code (Hampton, VA) Nov 2017 – Mar 2018

* Automated functional testing of web pages.
* Extended the Robot framework with custom python libraries, to include:
  + Html source parsers/validators
  + File download toolsets for IE
  + Database DDL fetching
  + Parsed SOAP messages (XML)
* Used Pycharm IDE and Eclipse for development.
* Used technologies: beautifulSoup; Oracle db; Python; Java; Git; Selenium Robot Framework