

Brian Barbu

(571)-606-2464 | brb9da@virginia.edu

Career Interests:

I have a major interest in developing my knowledge of Computer Science in both its application and in its design. I hope to work on a project that helps me solve pragmatic real-world problems with a strong coding practice. I desire a deeper understanding of computer infrastructure and how to optimally devise software solutions.

Personal Projects:

Official iOS App: "Texas Hold'em Probability Calc". iOS Developer: Brian Barbu

-Available on iOS App Store. Coded using Swift in Xcode. Visual Design using GIMP image editor

Human-Computer Interaction (HCI) Design Portfolio- UX Design Project for innovative driving app idea

<https://sites.google.com/vt.edu/hci-s19-team-cats/home?authuser=0>

Education:

SAT: 2180 Math: 770, Reading: 730: Writing: 680

University of Virginia: Studying for a B.S. in Computer Science

Important Coursework: Computer Architecture (C, UNIX, git, Memory, Y86-64, HCL, Pipelining) , Program & Data Representation (C++, Trees, IBCM, Assembly, Heaps and Huffman Coding, Big O Analysis), Digital Logic Design (Encoders, Muxes, Multipliers, Processor Design), HCI in Software Development (Human-Computer Interaction, UX Design), Theory of Computation (Chomsky Hierarchy), Discrete Math (Methods of Proof, Sets, Relations, State Machines), Intro to Programming (Python), General Physics I, General Physics II, Introduction to Probability, Multivariable Calculus, Ordinary Differential Equations

Proficient Technical Skills:

Programming Languages: Python, HTML, C#, Swift, Java, JQuery, C++, C

Software: Xcode 10 – coded using Swift, Matlab, GIMP Image Editor, FL Studio 20, Unity game engine- coded using C#, Microsoft PowerPoint, Microsoft Excel, Microsoft Word

Intermediate Technical Skills:

Programming Languages: R, Fortran, Javascript, SQL, XML, PHP

Software: Unreal Engine 4- coded using C++, Autodesk 3D Design, Adobe Photoshop

Work Experience:

IHOP Server- Provided excellent customer service and restaurant maintenance **5/2018 – 8/2018**

P.F. Chang's Server - Served food to tables and restaurant maintenance **5/2017 - 8/2017**

Rec-Pac Leader- Planned and directed activities for elementary age students **5/2016 – 8/2016**

Clubs and Hobbies

Student Game Developers (SGD), Chess Club, Sports Debate Club, Comics and Anime Intellectual Exploration (CAINE), Charlottesville Adult League Soccer, Texas Hold'em, News, Politics