

# DENNY ANDERSON

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## EDUCATION

**UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA**

DECEMBER 2018

MASTER OF COMPUTER SCIENCE DEGREE

- GPA: 3.792

UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA

AUGUST 2017

B.A. DEGREE IN MATHEMATICS AND COMPUTER SCIENCE

- CS Department GPA: 3.671
- Overall GPA: 3.464

**LORD FAIRFAX COMMUNITY COLLEGE, MIDDLETOWN, VA**

MAY 2015

ASSOCIATE OF SCIENCE DEGREE

- GPA: 4.000

**JAMES WOOD HIGH SCHOOL, WINCHESTER, VA**

MAY 2015

ADVANCED STUDIES DIPLOMA

- Valedictorian
- GPA: 4.550 (weighted), 4.000 (unweighted)

## WORK EXPERIENCE

**TEACHING ASSISTANT, UVA COMPUTER SCIENCE DEPARTMENT**

CS 3330: Computer Architecture

- Tutored concepts such as instruction set architectures, processor design, hardware control language and y86-64, caches, performance optimizations, and SIMD vectorization
- Semesters taught: Fall 2017, Spring 2018

CS 3205: HCI in Software Development

- Tutored concepts such as interface design, usability goals and requirements, conceptual models, prototype design, and quantitative and qualitative analysis
- Semesters taught: Fall 2016, Spring 2017, Fall 2017

## TECHNICAL SKILLS

## PROGRAMMING LANGUAGES

## Advanced

- C++, JavaScript, PHP, HTML

Proficient

- Java, Python, SOL, C, Coq Proof Assistant

Elementary

- x86-64, Idris

## TOOLS

- VirtualBox, GitHub, Emacs, Eclipse, Anaconda and Jupyter, Docker

## AWARDS

- Dean's List, University of Virginia 2016
- Microsoft Office Specialist Master 2010, 2013
- President's List, Lord Fairfax Community College 2013 – 2015

## PROJECTS

## TWITTER AND GENDER

DECEMBER 2017

- Implemented several machine-learning algorithms like k-nearest-neighbors and decision trees in order to determine whether a particular tweet was written by a company, a female, or a male using the tweet's text content, along with metadata such as the user's sidebar and link colors, the user's username and description (bio), and the number of retweets and favorites the tweet received

## GRADE CALCULATOR

- Created and designed a web interface for a grade calculator application
- Features include creating an account, logging in, creating semesters, creating classes, entering and deleting grades, calculating the minimum grade a user must receive on an assignment in order to attain a certain grade, and producing a personalized transcript for the user to view

JUNE 2017

## TEACHING INTRO CS

- Informally taught an introductory computer science class during the Fall 2017 semester, where students were introduced to programming fundamentals and intro CS concepts such as computer architecture, parameter passing, software development, computer security, and algorithms

FALL 2017