CAMERON WOODWARD

402 14th Street NW, Charlottesville VA 22904

(540)-550-5418 ⋄ cnw2bx@virginia.edu

CAREER OBJECTIVE

To obtain a summer internship in a technological environment where I can gain practical experience and contribute meaningful work and grow along with the organizations objectives

EDUCATION

University of Virginia, VA   *August 2017 - Present*
Bachelors of Science Computer Science   *Cumulative GPA: 3.67*
Business Minor   *Major GPA: 3.82*

TECHNICAL STRENGTHS

Languages:	C/C++, Java, Python, JavaScript, Lean, and HTML
Modeling and Analysis:	Logisim, Excel, AutoCad, Mathematica, and Matlab
Software and Tools:	GitHub, Heroku, TravisCI, Django, Latex, and VirtualBox

WORK EXPERIENCE

Electrical/Computer Engineering Departments, UVA   *June 2019*
Research Assistant

- Created my own tree implementation to search through and find the maximal independent set on n-bit binary strings

- Used my tree to find deletion correcting codes for one deletion and one substitution

Allen Richards, LLC   *June 2016-2018*
IT manager

- Setup and managed the desktops, network, QuickBooks payroll, and work order generators

- Increased the efficiency and broadened the outreach of the company

PROJECTS

RSA implementation
Built my own implementation of RSA encryption in Java. It can compute the private and public keys of 32 or 64 bit strength encryption.

Cam Coin
Created my own cryptocurrency in Python. It creates the genesis block based on a hash of my own personal message. Transactions from private wallets are then put into a ledger and every 2 hours a new block in the block chain is created, building on the previous one.

Collatz Conjecture
Constructed a program in C++ to compute if a number reduces to 1 and if so how many steps it took, defined by Collatz's famous conjecture.

INTERESTS

- Cyber and Network Security Club: I compete in metaCTF and other hackathons

- I enjoy playing sports: football, tennis, basketball, and ultimate frisbee