

# Preston Beaty

dennisbeaty@gmail.com | 931.287.8502

## EDUCATION

### UNIVERSITY OF TENNESSEE

BS IN COMPUTER SCIENCE

MINOR IN CYBERSECURITY

Graduation: Spring 2023

Knoxville, TN

College of Engineering

Cum. GPA: 3.57 / 4.00

## LINKS

LinkedIn:// Preston-Beaty

WWW:// PrestonBeaty.com

Github:// DennisPBeaty

## COURSEWORK

Data Structures & Algorithms

Cybersecurity

Systems Programming

Software Engineering

Operating Systems

Discrete Structures

Programming Languages

Cryptography

Mobile Embedded System Security

Human Factors in Cybersecurity

## SKILLS

### PROGRAMMING LANGUAGES

Proficient with:

C, C++, C#

Python

Java, Javascript

NASM Assembly

Matlab

HTML & CSS

LaTeX

### TECHNICAL SKILLS

Git

SVN

Adobe Creative Cloud

.NET Framework

Blazor

Azure DevOps

Microsoft Suite

### SOFT SKILLS

Problem-solving

Adaptability

Work ethic

Flexibility

## WORK EXPERIENCE

### COURSEFLOW | FULL STACK ENGINEER INTERN

June - November, 2022 | Knoxville, TN

- Create front-end web pages for customer and administrative views of the Loop Messaging product through Blazor and .NET frameworks
- Build Rest API's for access to SQL based Azure DevOps Servers to populate contents of web pages
- Design HTML and CSS component based models for multi functional applications

### MCLAURIN AEROSPACE | FLIGHTSOFTWARE INTERN

February - August, 2022 | Knoxville, TN

- Construct automation programming techniques to translate data structures between programming languages
- Optimize configuration processes within flight simulation in order to reduce run time by 16.67% on specific programs
- Implement a customizable, modular design within the plotting routine of flight data which resulted in a coherent, practical code-base

### JEWELRY TELEVISION | ZENDESK INTERN

May - July, 2021 | Knoxville, TN

- Work with JTV's support ticket environment, Zendesk, in order to impact 31,175 tickets
- Enact new trigger and automation systems, third party applications, and KPI measurements within the Zendesk Environment
- Collaborate with the Employee Training Department in order to add gamification to employee learning courses
- Partner with Lotus Themes to develop a contract for the creation of a guide center web page
- Participate in website testing and development for future implementation

## CREATIVE EXPERIENCE

### FREELANCER | GRAPHIC DESIGNER, MARKETER, AND WEB DEVELOPER

June 2018 - Present | Crossville & Knoxville, TN

- Work with upper-management of Cook Road Baptist Church and Beaty Towing in order to design their logos
- Aid in routine maintenance of OH Painting's company website through Wordpress management system, located in Warsaw, NC
- Create Google and Apple Business Profiles for local businesses in order to generate 7,140 views, with a 4.45% engagement rate over the last quarter

## ACCOLADES

- 2022 Summa Cum Laude for Spring Semester at University of Tennessee Knoxville
- 2021 Magna Cum Laude for Fall Semester at University of Tennessee Knoxville
- 2021 Cum Laude for Spring Semester at University of Tennessee Knoxville
- 2020 Cum Laude for Fall Semester at University of Tennessee Knoxville
- 2019 2<sup>nd</sup> Place Skills USA Web Design and Development Competitor