

SCILLA BENUSSI

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EDUCATION

Bachelor of Science: Computer Engineering, SUNY at Buffalo, Expected May 2024

Bachelor of Arts: Mathematics, SUNY at Buffalo, Expected May 2024

Applied Sciences HS: Liceo Statale Galileo Galilei, Dolo, Italy (VE), June 2018

SKILLS & TOOLS

High-level Languages: Java, Scala, C/C++, Python, MATLAB

Low-level Languages: MIPS, Assembly, SystemVerilog

Data Management & Analytics: MySQL

Web Development: JavaScript, PHP, CSS, HTML5

Tools: IntelliJ IDEA, EDA Playground, MBed Studio, QtSpim, Autograder

WORK EXPERIENCE

Internship, FiloBlu, Santa Maria di Sala - Italy (VE), June 2018 - July 2018

- Collaborated with director's team on website design section
- Coded back-end [blondieshop.com](#) and [elisabettafranchi.it](#) fashion webpages
- Designed front-end home page fashion website Blondie (PHP, HTML, JavaScript)
- Monitored SQL data-oriented database to manage over 60 products for Blondie's homepage

Computer Science Tutor, Various high schools, Venice, Italy (VE), June 2021 – August 2021

- Tutored 5 high school students passing computer science summer classes
- Organized lectures for individual weekly meetings with students
- Produced helpful examples in Java and C++ to help understand basic knowledge of coding languages
- Facilitated all 5 students to pass summer exams

PROJECTS

CSE241 Final Project: SystemVerilog

- Implementation of control system for synchronization of 2 traffic lights
- Identification of state diagrams, state tables, transition tables, and transition equations for given project
- Development of README.md for professional project descriptions

CSE250 Final Project: Scala

- Movie and genre ratings based on user preferences from GroupLens Research Project
- Application of 4 main data structure to improve code efficiency: AIOLI, BALBOADLL, Sorted DLL, Heap
- Prototype and simulation of insertion and deletion functions for sorted data structures creation

HONORS, AWARDS & INVOLVEMENTS

- Full athletic scholarship: Track and Field
- 93/100 High School Degree Grade, Italy
- Dean's List: Fall 2020, Spring 2021, Fall 2021, Spring 2021

EXTRACURRICULAR ACTIVITIES

- Tau Beta Pi initiate, Engineering Honor Society: Current
- Heptathlon/Pentathlon, Track & Field, Division 1 athlete: Current
- AGESCI, Girl Scout, Italy: 2011-2020
- Classical ballet dancer: 2003-2017

LANGUAGES

- Italian – Native
- English – Full Professional Proficiency
- Spanish – Conversational