Thomas Lauerman

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EDUCATION

Trinity University San Antonio, TX | Class of 2021   Cumulative GPA: 3.5
Bachelor of Computer Science   as of January 2019

SKILLS

Programming Languages: Swift, C, C++, C#, Java, Scala, HTML, CSS, Objective-C, XML
Operating Systems: MacOS, iOS, Unix, Windows
Environments: Xcode, Eclipse, Microsoft Visual Studio, Unity
Applications: Unix command line, Apple iWork suite, Adobe Photoshop, Microsoft Office suite

RELEVANT COURSEWORK

Principles of Functional Languages, Principles of Data Abstraction, Principles of Computer Science I & II, Low-Level Computing, Mobile Application Development, Video Game Design, AP Computer Science II, Computer Science I

EXPERIENCE

CONETFUR Principles of Functional Languages, Trinity University   October - December 2018
- Command-Line solver for Connect Four written in Haskell
- Four-person collaborative group project using GitHub as source control
- Used functional programming patterns (Higher-order functions, recursion) to model, play and solve Connect Four

Palette: colorful puzzles Personal Project   June 2017 - August 2018
- 2D, touch-based puzzle game for iOS written in Swift
- Utilized UIKit, SpriteKit, CoreGraphics frameworks and more
- Designed, developed, distributed and maintained independently by me
- As of January 2019: 3.82K downloads, rated 4.6 / 5 stars (161 reviews) on the App Store

Epoch Principles of Computer Science II, Trinity University   January - April 2018
- 3D, first-person, multiplayer maze navigation game written in Scala
- Leveraged the Java RMI library to transfer game data over a network
- Utilized the ScalaFX wrapper for JavaFX to create an intuitive GUI

Jumpman Dan Mobile Application Development, Frisco High School   April - May 2017
- 2D, single-player, side-scrolling action platformer project for iOS written in Swift
- Utilized Apple's SpriteKit library for physics and tile-based level design
- Chosen by instructor to be presented to a panel of local game/app developers

Marketing Representative CUTCO Cutlery, Plano, TX   July 2016 - February 2017
- Position involved identifying and assisting clients, setting appointments, making sales
- Personal sales record of over $6,000 of products in one 3-month period
- Afforded professional experience with patience, communication, and presentation skills

CAMPUS INVOLVEMENT

Varsity Swim Team Member, Trinity University   August 2017 - February 2018

AWARDS

Trinity University Trustee's Scholarship   August 2017