# NATE SCHICKLER

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## EDUCATION

**Cornell University**
College of Arts and Sciences Class of 2019
BA in Computer Science
Minor in Business
Minor in Real Estate

**Mira Costa High School**
Class of 2015

## RELEVANT COURSEWORK

Obj-Oriented Programming & Data Structures
Intermediate Design & Programming for the Web
Communication & Game Development
Intro to Game Architecture
UNIX Tools and Scripting
C++ Programming
Operating Systems
Practicum in Operating Systems

Intro to Microeconomics
Marketing Principles
Intro to Management
Financial Accounting
Discrete Structures
Linear Algebra
Calculus I, II
Statistical Theory & Application

## PROFESSIONAL EXPERIENCE

**Lead Designer, SmokeStack Games, *Division 12*, 2015-2016**
Provided all design documents, concept art, and art assets.
Did Animation, UI, and particle effect programming in Java using libGDX with Box2D.
Accepted into and presented at 2016 Boston Festival of Indie Games at MIT.

**Ambassador, Manhattan Beach Ambassadors Program, 2014 - 2015**
Represented the city, local stores, and restaurants; provided valuable feedback to businesses and the city via interactions and observations of tourists and visitors. Program expanded after leaving due to successful research and positive reception from the city and participating businesses.

**CEO, Sourbyte LLC, 2013 - 2014**
Recruited and organized members (artists, programmers, and musicians), worked on game design and programming.

## SKILLS

**Programming Languages:**
C, Java, Bash, PHP, Swift, C++, Javascript, HTML, CSS, Kotlin, XML, JSON, MIPS Assembly

**Programming Tools, APIs, Etc:**
Gradle, libGDX, Box2D, Maven, fastutil, Java Native Acces, Google Protobuf, lombok, Travis CI

**Development Applications:**
IntelliJ IDEA, Git, CLion, Xcode, Eclipse, MAMP, Visual Studio Code, iTerm, VirtualBox

**Operating Systems:**
macOS, Ubuntu Server, Windows 10, CentOS, Raspbian

**Adobe Creative Cloud**
Photoshop, Dreamweaver, Illustrator, etc.

**Microsoft Office**
Excel, Word, PowerPoint

**LaTeX**
Overleaf

## ACTIVITIES & HONORS

**Design:**
Scholastic Art Awards, Gold & Silver Keys
AP Studio Art: Drawing - 4
AP Studio Art: 2D Design - 5

**Programming:**
Programmer, Beach Cities Robotics, 2014-2015
Wrote Java robot code; most code contributions
Open Source Software Contributions
libGDX, Pokemon Go Java API, etc.

**Other:**
Recruitment Chair, Webmaster, Theta Delta Chi
Created all recruitment promotional materials such as quarter cards, Facebook cover photos, t-shirts, and more for Fall 2016 and Spring 2017 recruitment. Planned and directed brother activities and events with recruitment co-chair. Recruited the largest fall pledge class in the house's history (since 1870). As Webmaster, currently redesigning and programming the house website from scratch; estimated completion and deployment by April 2017.
Advanced Placement Scholar with Distinction
Grammy Signature School Gold Award, 2014
Tri-M Music Honors Society Lifetime Member
California Scholarship Federation, Life Member