

Trent Callan

<https://trentcallan.github.io>

503-348-1573

trentwcallan@gmail.com

Curious-minded CS major with a passion for applying abstract concepts to real world challenges; Eager and quick to master new technology; Successful in both team and self-directed settings.

WORK EXPERIENCE

Qwesty

November 2019

- Created and published iOS application with in-app purchase on to the app store
- Utilized Core Data to store and manage Quests and Animations
- Implemented animated character profile with SceneKit along with a settings controller to manage customizations
- Helps organize people through quests and motivates through a character progression system
- <https://apps.apple.com/us/app/qwesty/id1486407706?ls=1>

Freelance iOS Development

October 2019

- Contracted to make a prototype iOS application
- Implemented UICollectionView and UITableView with alphabetical index to make finding information easy
- Decoded JSON into 9 different models and set up data so that it fits to the desired UX structure
- “Trent was very responsive and friendly to work with. I sent over some basic ideas / designs in excel and a word document, which he was able to discern and translate into a working version of an iOS app. He communicated well and was very willing to go above and beyond.” –Testimonial from client

iHuman Science Research

Salem, OR

Data Science Intern

September 2018 – May 2019

- Use of R, Rstudio and Python to visualize data and construct predictive models for the psychology department.

TakeCare

Portland, OR

Founder

2006 – 2015

- Established and promoted a pet/house sitting service. Increased the clientele and revenue consistently.

EDUCATION

Willamette University

Salem, OR

B.A., Computer Science with department honors; Mathematics Minor

August 2015 – May 2019

GPA: 3.77 in major; 3.72 overall. Deans List 5 semesters; Fall 2016 and Fall 2017 – Spring 2019

National Association of Basketball Coaches (NABC) academic Honors Court; NCAA NWC Scholar Athlete 2017-19.

TECHNICAL SKILLS

- **Languages** - Proficient in Swift and Java. Practical knowledge of C, R, Python, JavaScript, HTML and CSS.
- **Development Tools** - Experience developing iOS applications using Xcode. Advanced knowledge of CocoaPods, NetBeans, RStudio, Jupyter Notebook and Tableau.
- **Frameworks** - Strong sense of UIKit, SceneKit, Core Data and Firebase.

COURSE WORK

- | | |
|------------------------------|------------------------------|
| • Machine Learning | • Operating Systems |
| • Data Structures | • Computer Graphics |
| • Automata Theory | • Data Science |
| • Analysis of Algorithms | • Multivariable Calculus |
| • Architecture and Compilers | • Probability and Statistics |

EXTRACURRICULAR

- Raspberry Pi and Arduino hobbyist; built magic mirror, music reactive lights; developing future projects.
- Willamette Varsity Men's Basketball Team Captain; work in community outreach/education for various charities.
- Recruited contributor at 2019 National NCAA Diversity & Inclusion Forum; April 26-28 in Atlanta, Georgia.