

# Timothy Horng

thorng@asu.edu

(602) 330-9579

## Education

**2014 – Present**    **Arizona State University – Tempe, AZ**  
B.S. in Mathematics & B.S. in Computer Science  
Dean's List with a 4.0, Fall 2014. Graduation expected 2018.

**2014**    **Desert Vista High School – Phoenix, AZ**

## Work Experience / Projects

**iOS Developer** Tempe, AZ (07/2015 - present)

*Dishcover – an iOS universal application*

- Caters to adventure-seeker foodies in "traveling the world" by instantly suggesting restaurants from countries they've never tried before within their budget and distance preferences.
- Designed the application with Sketch 3, self-learned and implemented Google Places API and RealmSwift, implemented Swift code using Xcode 7, self-learned Storyboard and Auto Layout.
- Available for download on the App Store.

*Pocket Change – an iOS application exclusively for iPhone 6 ([thorng.github.io/SpareChange](http://thorng.github.io/SpareChange))*

- A revolutionary, game-like approach in donating money for charity organizations
- Implemented Swift code using Xcode 7, self-learned animations
- Won "Best Use of Visual Media" from Disney at HackMIT 2015

**Web Developer** Tempe, AZ (06/2015 - present)

*Developed a Pride Avatar filter site ([www.PrideAvatar.com](http://www.PrideAvatar.com))*

- Instantly filters any photo uploaded with a pride filter, implemented using HTML, CSS, and Javascript

*Developed a consumer fireworks legality site ([www.AreFireworksLegalHere.com](http://www.AreFireworksLegalHere.com))*

- A website that checks whether or not consumer fireworks are legal in your area in 24 hours, implemented using HTML, CSS, and Javascript

## Volunteer Experiences

- Taught mathematics to mid-size classes of students with ages ranging from 4 to 24.
- Volunteer as event photographer for U.S. Mental Math non-profit organization.
- Lead volunteer organizer for Andrei Cherny's 2012 Congressional Campaign, handling phone and door-to-door contact.

## Personal achievements

- 3-time AIME (American Invitational Mathematics Examination Qualifier)
- 1<sup>st</sup> place Pebble sponsor prize LA Hacks 2015
- 1<sup>st</sup> place Pebble sponsor prize AngelHacks Silicon Valley 2015
- Award-winning photographer ([www.TimothyHorng.com](http://www.TimothyHorng.com))
- 1<sup>st</sup> in Unity Chess Club's 2nd Annual Phoenix Open.
- 1<sup>st</sup> place in Piano Division in Phoenix Youth Symphony's 53<sup>rd</sup> Annual Young Musicians Competition Concerto Competition.
- Student Director for Chamber Guitar Ensemble at Desert Vista High School, 2013-2014
- Maestro Award for inspiring leadership at Anaheim Music Festival - WorldStrides Heritage Performance.

**Programming / Markup languages:** Java, Swift, C, MATLAB, HTML/CSS, Javascript

## Tools

- Adobe Photoshop Lightroom 5
- Adobe Photoshop CS6
- Xcode 7 IDE for Swift
- Eclipse IDE for Java
- CloudPebble IDE for Pebble C
- Sketch 3