Transact Mobile Credential

*Enhancing the Student Experience with a Secure NFC-based Solution*
Kent Pawlak
Senior Director
Product Management
How Did We Get Here?

Student technologies evolve

Choice and expectations evolve as well
Setting the Table with Service

Student service becomes student engagement...

...and “identifying” becomes “facilitating”
...and Single Use Cases Become Campus-wide, Ubiquitous User Experiences
Credential Toolset – Good, But Could Be Great

**Barcode**
Point-solution oriented, minimal security

**Magstripe**
Accepted everywhere, practically no security

**Biometric**
Great security, more expensive, situationally compelling

**Contactless**
Excellent security available, challenges in establishing ubiquity

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**Opportunity**
Take advantage of devices and habits that serve the greatest number of students, staff and faculty.
Near Field Communication (NFC): It’s Shiny, But Not New to Campus ID programs

- NFC ISO Standard published
  - December, 2003
- Blackboard ships NFC-enabled devices, cards
  - June, 2010
- NFC mobile pilots – Quinnipiac University, Tulane
  - October, 2013
- NFC (HCE/Android) released
  - December, 2015
- Apple announces support at WWDC
  - June 4, 2018
It’s Here!

October 2, 2018 – First commercially provisioned NFC mobile credential for Wallet on iPhone and Apple Watch.
Transact Mobile Credential for Apple Wallet

Transact is the first campus credential solution provider in the world to offer NFC-enabled contactless student IDs for iPhone and Apple Watch.

CAMPUS PARTNERS

Currently Live

The University of Alabama

Next to Deploy

TEMPLE UNIVERSITY

Duke University

Mercer University

Santa Clara University

Johns Hopkins University
Early Success – They’re Using It!

• 79% of Duke freshmen have provisioned
• 66% of all Duke undergrads have provisioned
• 40% of Alabama resident students
• 50% of Oklahoma residents
• 59% of all access transactions on the East Campus at Duke are done with mobile credential
• Nearly 6,000 credential at Temple in the first two weeks
What are People Saying

**Temple Admissions** @admissionsTU · 17h
Coming soon to Temple: **Student ID cards via Apple Wallet.**

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**OU Housing & ResLife** @OU_HRL · Oct 2
Sooner Card is now available in **Apple Wallet** at @UofOklahoma! From getting into your residence hall to paying for coffee at a nearby café, contactless **student ID cards in Wallet** bring a whole new way of getting around campus.

Visit ou.edu/soonercard for full details.

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Apple Wallet will support college student ID cards
iPhones will really never leave kids' hands now.
mashable.com

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**Chris Roberts** @MassComm101
I just used my iWatch to open a door at @UofAlabama.
As Arthur C. Clarke said: 'Any sufficiently advanced technology is indistinguishable from magic.'
[ow.ly/FPeM30m3YoW](https://ow.ly/FPeM30m3YoW)
6:10am · 2 Oct 2018 · Hootsuite Inc.

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**CT Thorn** @chevygu... · 04 Jun
Did y'all know The University of **Alabama** will be one of the First College Campuses to allow virtual **student ID Cards** on the Apple Watch that will allow **students** access to buildings, laundry and Dining Dollars etc.

? Roll on Tide..
Roll on..

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**Karim** @KreamyLasa... · 04 Jun
Oh great. If I went to University of **Alabama** or Oklahoma University I could put my **student ID** on my iPhone to pay with flex dollars for food
Transact Mobile Credential

Enhanced Convenience on a Mobile Device

No App to Open – Wave & Go

Supports Purchase & Payment Transactions & Secure Access Control

Provisioning and Life Cycle Management for Delivery, Update and Revocation

Near Field Communication (NFC) Contactless Technology

Apple App Store version Works with iPhones, Apple Watches

Android Play Store version works with Android devices
Long-term Planning + Standards-centric Innovation = Extraordinary Program Options and Outcomes

**Key Benefits**

- Ultra-secure
- True NFC solution
- FAST direct reader communication
- Works online or offline
- ONLY provider with NFC Apple Wallet solution
- Works with depleted battery on select devices
- Android NFC capable phones supported
- Over-the-air issuance with campus login
- Campus branding
- Remote management
Blackboard clients lead the way, taking delivery of Near Field Communications (NFC) readers starting in 2010.
Expanding the Ecosystem

ASSA ABLOY

SALTO
# NFC vs. BLE: Which is smarter for mobile credential?

<table>
<thead>
<tr>
<th></th>
<th>NFC</th>
<th>BLE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ease of use</strong></td>
<td>Single wave of your mobile device—providing a fast, seamless one-to-one engagement</td>
<td>Users manually set up connection—adding friction and taking up to 30 seconds to operate</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>High security data encryption throughout the transaction</td>
<td>BLE-enabled smartphone apps can potentially be monitored or sniffed due to high read range—increasing privacy concerns</td>
</tr>
<tr>
<td><strong>Energy efficiency</strong></td>
<td>Minimal power requirements with no battery or internal power source to replace</td>
<td>Relies on other battery draining permissions to properly function</td>
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</table>
Other Solutions

= Poor Student Experience
Student Experience: Easy to Get Started!

Select School

Sign In

Add Campus ID
Student Experience: Ready to Use in Minutes!

Add to Apple Wallet
Use your iPhone and Apple Watch to pay for things on campus and effortlessly access places, events, and services requiring a campus ID.

View Campus ID

Present to Reader

University of Alabama Student Video
YOUR CAMPUS?