

# Robert Olsthoorn.com

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<https://github.com/rolstenhouse>

## Education

- **University of Florida, Honors Program** Gainesville, FL  
*Bachelor of Science in Computer Engineering, Minor in Physics* Aug. 2014 - May 2018  
– GPA: 3.64/4.0
- **Hong Kong University of Science and Technology** Clearwater Bay, Hong Kong  
*School of Engineering* Feb. 2016 - May 2016

## Work Experience

- **Microsoft** Redmond, WA  
*Windows Core — Software Engineering Intern* Sep. 2017 - Nov. 2017  
– Developing kernel driver to support new DMA chipset
- **Nextdoor — KPCB Engineering Fellow** San Francisco, CA  
*Monetization — Software Engineering Intern* May 2017 - Aug. 2017  
– Selected as 1 of 52 Engineering Fellows out of 2500 applicants  
– Developed Ad inventory forecasting tool for advertising operations team  
– Built python APIs to route SQS messages through an ad inventory management pipeline  
– Wrote ad targeting evaluation test suite and redis cache update task
- **Microsoft** Redmond, WA  
*Compiler and Language Platform — Explorer Intern* May 2016 - Aug. 2016  
– Created VS Code extension to support static analysis tool file format SARIF using TypeScript.  
– Authored PowerShell script to rewrite URIs referencing commit-dependent source files hosted in GitHub.  
– Configured continuous integration platform, Appveyor, for static analysis tools supporting the SARIF standard.  
– Refactored aspects of the SARIF SDK to comply with quality standards.

## Projects

- **PerfectPosture** Tai Tam, Hong Kong  
*Bitwise hacks: Awarded best software hack* Feb. 2016  
– Led development of OS X application to automatically dim laptop screen based on back-posture.  
– Provided back-posture data through accelerometer on TI Launchpad implemented as a wearable.
- **CheapSleep** Atlanta, GA  
*Hackstart: Awarded prize for Most Unique & Problem-Solving App* Jul. 2015  
– Created an alarm clock which donated to a chosen charity per snooze.  
– Implemented on the Android platform using the (deprecated) Venmo API.
- **BarterTown, LLC** Gainesville, FL  
*CTO & CoFounder* May 2015 - Aug. 2015  
– Accepted into HackerHouse startup incubator program  
– Founded a social trading platform for the exchange of goods and services.  
– Developed prototype using MeteorJS, Materialize and ElasticSearch  
– Built real-time chat system, dynamic profile pages, push-to-git for deployment

## Involvement

- (2017) Salsero in the Gator Salsa Club
- (2016) TA (Teaching Assistant) for CodePath Internship Preparation
- (2016) Assisted in organizing **hackUST**, Hong Kong's largest student-led hackathon.
- (2015) Competed in CodeJam, Bloomberg's Codecon, Ulticoder, etc as a member of the **UF Programming Team**.
- (2015) Held Treasurer executive board position of the **UF ACM chapter**.

## Skills

**Languages:** Python, C, asm, Java, Javascript, C++, SQL