Robert Olsthoorn.com

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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 Team — Software Engineering Intern — *Sep. 2017 - Nov. 2017*
  – Developing kernel driver to support new DMA chipset

- **Nextdoor — KPCB Engineering Fellow** — San Francisco, CA
  Monetization Team — 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 Team — Explorer Intern — *May 2016 - Aug. 2016*
  – Created VS Code extension to support static analysis tool file format SARIF usisng 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