

# Robert Olsthoorn

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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*
  - Developed Ad inventory forecasting tool for advertising operations team
  - Built Django APIs to route SQS messages through an ad inventory management pipeline
  - Wrote ad targeting evaluation test suite and redis cache update task
  - Selected as 1 of 52 Engineering Fellows out of 2500 applicants
- **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

- **Razzle** Seattle, WA  
*DubHacks: Awarded creative use of BlackRock API* *Oct. 2017*
  - Used Amazon's Alexa to interface with dedicated portfolio analysis and trade execution
  - Hooked into Robinhood's Private API and used BlackRock's historical data API to provide valuable portfolio insights
- **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.
- **Bartertown, LLC** Gainesville, FL  
*CTO & CoFounder* *May 2015 - Aug. 2015*
  - Founded a social trading platform for the exchange of goods and services in Hackerhouse startup accelerator
  - Built real-time chat system, dynamic profile pages, push-to-git deployment infrastructure

## 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:** Java, Javascript, C++, Python, SQL