

# ANTONIO MENARDE

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## Education (Class of 2019)

### University of Pennsylvania Jerome Fisher Program in Management and Technology

- GPA 3.89 / 4.0 // Dean's List
- B.S. in Engineering // Systems Science and Engineering
- B.S. in Economics // Operations, Information, and Decisions
- Minors // Computer Science, Mathematics
- Teaching Assistantships // ESE 111, ESE 190 (2016 - Present)

## Experience

### Explore Intern on Azure's Service Fabric, Microsoft Corporation (2017)

- Built a highly reliable and resilient online multiplayer game as an externally-facing microservice-based sample application for Service Fabric, capable of scaling to handle thousands of concurrent users and able to handle extreme failover scenarios without any downtime.
- Wrote specifications for product features, motivated by telemetry and active data.

### Product Design Intern, Gridless Power (2016)

- Built software and related hardware that vastly simplified and sped up a major bottleneck in manufacturing for the company (sped up manufacturing time / unit ~ 5%).
- Helped create test environments for the development of ongoing projects.

### Balloon Team Lead, Penn Aerospace Club (2015 - Present)

- Organizes weekly team activities; handles launch logistics; manages flight code base; directs growth and recruitment for the team.
- Team consists of about 20 members who meet twice weekly, has coordinated 7 launches and massively scaled club's engineering efforts and funding.

### School Volunteer, Big Brothers Big Sisters of Pennsylvania (2015 - Present)

- Visits an elementary school every Thursday to mentor children raised in or living in unfavorable conditions; can include playing sports, homework help, or conversations with the children.

### Bioinformatics Intern, University of Miami Miller School of Medicine (2014)

- Ran genome-wide association studies to look for trends between disease and genomic traits.
- Organized genetic data from 50GB+ files and ran statistics on data in Perl and C, for largest Alzheimer's study to date at the time.

## Skills

- Languages** // Java, C#, Python, Ocaml, GAMS  
**Web** // Service Fabric, .NET, HTML, CSS  
**Software** // Matlab, Rhino, Microsoft Suite  
**Hardware** // Arduino, Raspberry Pi, Rapid Prototyping

### Featured Project: Codebud

- Arduino-based physical + virtual pet that helps you practice good work habits
- "Best Designed Hack", MLH Prime Finale 2016

**Web Presence** devpost.com/amenarde // amenarde.github.io // github.com/amenarde