

# Zachary J. Snow

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(208) 318-6553

## EDUCATION

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- Carnegie Mellon University** • Major: Computer Science; Minor: Business Administration  
**School of Computer Science** • GPA 3.92; Dean's List for 5 semesters; Expected graduation: May 2019  
August 2015 - Present • Teaching Assistant for 15-410 Operating Systems: Spring/Fall 2018 and 15-122 Principles of Imperative Computation: Spring/Fall 2017

## WORK EXPERIENCE

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- Jump Trading, LLC**  
**Software Engineer Intern**  
June 2018 - August 2018
- Designed three new trade reconciliation gateways to bring data from clearing houses around the world into Jump's trading platform
  - Created an ML tool to prioritize technical notifications from exchanges
  - Built a high-speed order gateway for a cryptocurrency exchange
  - Enhanced a tool to test upgrades to Jump's trade reconciliation gateways

- Addepar, Inc.**  
**Software Engineer Intern**  
May 2017 - August 2017
- Created dynamic data visualization tools central to Addepar's multi-context portfolio performance reporting product
  - Worked directly with clients managing multi-billion dollar portfolios
  - Won company-wide hackathon by building a significantly time-saving automatic code test and merge process

- MongoDB, Inc.**  
**Software Engineer Intern**  
May 2016 - August 2016
- Developed command line tools for MongoDB users to manage data and monitor distributed database deployments
  - Redesigned quality assurance tests for speed, reliability, and integrity
  - Refined the interface for the company's automated testing system

- Hewlett-Packard, Inc.**  
**Software Engineer Intern**  
July 2013 - August 2015
- Developed software for a cloud-based content management solution that allows users to store, retrieve, and print documents
  - Redesigned the team's CI system to improve its speed and reliability

## EXTRACURRICULAR ACTIVITIES

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- CMU Solar Racing**  
**Optimization Team**  
August 2015 - Present
- Design performance-optimizing control systems for a group that builds large, solar-powered racing boats for national competitions
  - Placed third at the 2017 Solar Splash Intercollegiate Championship

- Delta Tau Delta at CMU**  
**Chapter Vice President**  
January 2017 - Present
- Appoint and lead the members of the chapter's Administrative Committee, which organizes all chapter programming
  - Created software to streamline distribution of chapter information

- FIRST Robotics Team 2122**  
**Programming Team Lead**  
October 2012 - August 2015
- Led the software development for a competitive robotics team
  - Taught object-oriented programming to high school team members
  - Division semifinalist at the 2015 FRC World Championship; four-time tournament champion at competitions across the US

## SKILLS AND INTERESTS

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- Languages** C, Go, C++, JavaScript, Java, Python, Objective-C, PHP, SML/NJ  
**Environments** Various Linux distributions, iOS and macOS, VxWorks, Windows/.NET  
**Activities** Enjoy running, skiing, golfing, and hiking  
**Interests** Conversing in Spanish; volunteering and traveling to South America, Europe, Africa