AUSTIN WANG

EDUCATION

University of North Carolina at Chapel Hill — August 2016 - May 2019

B.S. in Computer Science & Mathematics

GPA: 3.5

Relevant Coursework:

- Data Structures, Computer Organization, Languages and Computation, Algorithms, 2D Graphics, Files and Databases, Operating Systems, Distributed Systems, Digital Logic, Real-time Systems, Parallel Systems, Cryptography, Smart and Connected Systems, Digital Humanities
- Calculus (1-3), Differential Equations, Discrete Mathematics, Elementary Number Theory, Linear Algebra, Probability, Advanced Calculus 1, Topology, Algebraic Structures, Scientific Computation

Hackathons Attended: PennApps Winter 2018, HackHarvard 2017, HackNC 2016

EXPERIENCE

Amazon — June 2018 - August 2018

SDE Intern — *Seattle, WA*

- Created internal tooling and UI for reconciliation of incorrect or broken meta-data entities
- Generalized the tool to allow for generic script sources, making it useful for other teams in the organization
- Integrated mechanism making it possible to give other teams granular access to the service

UNC-CH Department of Computer Science — January 2018 - Present

Learning Assistant for the Emerging Scholars Program — *Chapel Hill, NC*

- Leading lessons on various topics in CS, ranging from algorithms to cryptography
- Navigating first/second year college students through the CS program and curriculum
- Advising students of underrepresented groups who are unsure about pursuing the CS degree

UNC-CH Department of Computer Science — May 2017 - Present

Undergraduate Research Assistant — *Chapel Hill, NC*

- Exploiting weaknesses and improving info/data security algorithms of commercial IOT devices
- Generating data-sets on energy usage to study the relationship between energy use of household devices
- Creating VR simulations to conduct user studies on human response to robot appearance and movement
- Deriving data-driven models for movement of robots and autonomous vehicles in a pedestrian crowd

Publications:

- A. Bera, T. Randhavane, E. Kubin, A. Wang, D. Manocha, K. Gray. **The Socially Invisible Robot: Navigation in the Social World using Robot Entitativity**. *Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems 2018.* May 2018.

LEADERSHIP

CS+Social Good at UNC Chapel Hill — September 2017 - Present

Co-Founder & Technology Chair — *Chapel Hill, NC*

- Developing projects and services for community groups and on-campus organizations
- Mentoring the group's project managers and software developers
- Developing the organization's static website
- Designing graphic assets such as the logo, banner images, and promotional images

HackNC — Feb. 2017 - Present

Graphic Design Co-Lead / Development Lead — *Chapel Hill, NC*

- Developing front-end and back-end for the hackathon's website
- Designing graphic assets for the website, social media, t-shirts, prizes, etc.
- Creating tools for registration, judging, mentorship, communication, etc.
- Collaborating with graphic design/development committee members

RELEVANT SKILLS

Languages	Java, C#, JavaScript, HTML, CSS, Python, C, C++, SQL
Technologies	Linux, Vim, Git, Github, DynamoDB, Unity, VR, Photoshop, Illustrator
Natural Languages	English (Native), Mandarin (Bilingual), French (Limited)