

# MATTHEW BIERMAN

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## EDUCATION

Expected Dec 2019      The University of Texas at Dallas  
Bachelor of Science in **Computer Science**      **GPA: 3.957**

## LEADERSHIP ROLES

- Dec 2017 – Present      Association for Computing Machinery at UT Dallas • **Vice President**
- Leading the largest computer science organization at UT Dallas and overseeing its operations across five divisions, with over 30 officers and thousands of members.
- Aug 2017 – Present      Student Success Center at UT Dallas • **Supplemental Instruction Leader**
- Facilitating interactive group study sessions for Discrete Mathematics for Computing I.
  - Received the **Most Improved Award** for the Fall 2017 semester.
- Sep 2017 – Dec 2017      Association for Computing Machinery at UT Dallas • **Director of Marketing**
- Marketed all ACM events via digital media and maintained ACM marketing/branding guidelines.
- Apr 2017 – Dec 2017      ACM Projects at UT Dallas • **Director of Marketing**
- Created project objectives and enforced **Agile** software development for all teams.
  - Served as a mentor for the **augmented reality** project team and designed the project guidelines.

## EMPLOYMENT

- Jun 2017 – Jul 2017      Clear • **Ambassador** • Las Vegas, NV
- Enforced and maintained airport security measures while also creating a welcoming customer experience that promoted the convenience of the service.
- Jul 2015 – Aug 2015      TLC Computer Solutions • **Tech Support Intern** • Las Vegas, NV
- Assisted in troubleshooting hardware and software issues.
  - Serviced both Mac and Windows PCs for customers in person, over the phone, and remotely.

## SKILLS

PROGRAMMING LANGUAGES      Java, C++, Shell (sh/bash), HTML, CSS, JavaScript, MIPS Assembly  
FRAMEWORKS / PLATFORMS      jQuery, Bootstrap

## PROJECTS

- Smart Lock
- **Bash (Shell), JavaScript**
  - Developed **Bash** scripts to check all MAC addresses on a network using **arp-scan**, compare found devices with Access Control List to lock/unlock door, and export data to log files and frontend.
  - Developed data visualization charts using **JavaScript** with **Chartist.js** to display the frequency of whitelisted users on a given network.
  - Won **first place** in ACM Projects, worked with a team of five using **Agile** software development.
- Portfolio Website
- **HTML, CSS, JavaScript, jQuery, Bootstrap 4**
  - Developed a dynamic animation of **Conway's Game of Life** as the background, with random initial state generation and cell color changing based on scroll height.
  - Created a responsive, one-page layout with an About Me/Contact page and project showcase.
- viewar
- **Unity, C#, Vuforia, HTML, CSS, JavaScript, jQuery, Bootstrap 4**
  - Created an **augmented reality** catalog using image targets to display 3D objects in real-time.
  - Developed a responsive, one-page demo furniture catalog to demonstrate industry use cases.
  - Won **second place overall** at CodeRED Exploration 2017, a hackathon at University of Houston.