

## EDUCATION

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Sep 2010 – May 2014  
New York, NY

**Columbia University**, Fu Foundation School of Engineering and Applied Science  
Bachelor of Science, Computer Science, May 2014

- *Relevant studies:* Object-oriented programming, data structures & algorithms, artificial intelligence, graphics programming, physical simulations, relational databases/SQL, web/UI design with HTML5/JavaScript/CSS, computer vision, linear algebra, discrete math, calculus, statistics
- Detailed project work, courses log, and link to GitHub profile can be found at: [andgoldin.github.io](http://andgoldin.github.io)

## SKILLS

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### *Management & Leadership:*

- Project Manager for teams that worked to develop:
  - A programming language designed for working with MIDI data to compose and create music
  - A clean and simple alternative user interface for Yelp.com's "bookmarks" system
- Donated time to help local nature museum with website and public programs, as well as several hundred hours for various other charities and nonprofits

### *Teamwork & Problem Solving:*

- Contributing team member for groups that have worked to develop/engineer:
  - A cheap and easy food preparation solution for residents of a third-world nation
  - Algorithms for controlling traffic flow, efficient cattle herding, and statistical analysis/game theory
- Worked closely with fellow staff at iD Tech Camps to create and run numerous successful group activities for teens and younger children, including gaming tournaments and organized sports

### *Social & Work Ethic:*

- Exceptional organizational skills, resourceful, self-disciplined and excellent at meeting deadlines

## SOFTWARE

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*Op. Systems:* Windows XP/Vista/7/8, Mac OS X, UNIX/Linux (Shell), iOS, Android  
*Microsoft:* Word, Excel, PowerPoint, all Google Drive equivalents  
*Adobe:* Photoshop, InDesign, Acrobat, Premiere Pro, Audition, After Effects  
*Apple:* Final Cut Pro, Logic Pro  
*Autodesk:* Maya, AutoCAD  
*Programming:* Proficient with Java, C/C++/C#, Python, practiced with JavaScript, SQL, familiar with Git

## EXPERIENCE

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Sep 2012 – Present  
New York, NY

### **Columbia University**

*Senior Teaching Assistant*, Introduction to Computer Science and Programming in Java

- Responsible for running weekly office hours, review sessions, grading 20-25 written/programming assignments each week and helping professor and TA staff grade exams for a class of ~300 students

Jun – Aug, 2011 – 2013  
Garden City, NY  
Poughkeepsie, NY

### **iD Tech Camps**

Adelphi University (Summer 2011), Vassar College (Summer 2012, Summer 2013)

*Instructor: Java Programming, Video Game Design, and 3D Modeling and Animation with Autodesk Maya*

- Taught students ages 12-18 weekly courses in 2D/3D game design, programming, and 3D modeling
- Devised unique lesson plans optimized for small group instruction and individualized assistance
- Provided overnight supervision and organized group activities for 25-35 students each week

Jun 2010 – Aug 2010  
Newburgh, NY

### **Goldinson Corporation**

*Web Developer/I.T. & AutoCAD*

- Wrote and maintained corporate website and provided computer troubleshooting assistance for commercial construction company
- Assisted with two major projects doing architectural drafting with Autodesk AutoCAD