

## EDUCATION

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- Yale University**, New Haven, CT Graduated with distinction in CS **May 2015**  
• B.S. Computer Science, B.A. Economics. GPA: 3.77
- Trinity School**, New York, NY Graduated cum laude **June 2011**
- Prep for Prep**, New York, NY **2003 – Present**  
• A highly selective leadership development program that places students into leading independent schools and continues to work with them through graduation and beyond.

## EMPLOYMENT

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- Yale University** **Student Developer, ST Coordinator** **2011 – Present**  
• Developing Rails apps for the Yale community. Migrated to the developer role in winter 2013.  
• Supervised a team of four Student Techs as a ST Coordinator to fix students' personal computers.
- Microsoft Corporation** **Software Developer Engineer Intern** **Summer 2014**  
• Built the Bing Knowledge Widget and Image Widget WordPress plugins for the Bing Experiences team.  
• Held end-to-end responsibility for the projects, from research and design to coding and testing.
- Microsoft Corporation** **Program Manager Intern** **Summer 2013**  
• Shipped a support dashboard providing service health data of Bing Ads APIs for the Bing Ads Dev Center:  
[www.developer.bingads.microsoft.com/Support](http://www.developer.bingads.microsoft.com/Support)
- JPMorgan Chase & Co.** **Credit Risk Management Intern** **Summer 2012**  
• Wrote VBA scripts to streamline the process of setting trading restrictions, reducing operational risk.  
• Redesigned the PM SharePoint site to improve functionality and increase transparency for senior management.

## PROJECTS AND OTHER EXPERIENCE

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- Yale Alley Cats a cappella group** **Head Tour Manager** **2011 – 2014**  
• Managed domestic and international tours for one of the nation's most renowned a cappella groups. Tour destinations for the '13 – '14 year included the American South, Los Angeles, Beijing, and Europe.  
• Coached new tour managers and wrote scripts in VBA and Google Scripts to improve team productivity.
- Kinect Pointing Recognition** **[github.com/thomasweng15](https://github.com/thomasweng15)** **2014 – Present**  
• Developed a system using the Kinect v2, OpenCV, and Robot Operating System to detect when people are pointing to objects in 3D space. System to be used in robotics research at Yale's Social Robotics Lab.
- Boggle Solver Project** **[github.com/thomasweng15/boggle-solver](https://github.com/thomasweng15/boggle-solver)** **2013 – 2014**  
• Wrote a boggle playing C program with trie, hash set, and linked list data structures from scratch.
- Class Projects** **2012 – Present**  
• **CPSC 323 Systems Programming and Computer Organization** – C, Python  
Wrote a Makefile utility, LZW encoder/decoder, broken URL detector, and shell.  
• **CPSC 426 Building Decentralized Systems** – C++, Qt Framework  
Wrote a decentralized chat client and attack-resistant file sharing system.  
• **CPSC 473 Intelligent Robotics Lab** – Python, OpenCV, Robot Operating System, Git/Github  
Worked with two teammates to write vision and actuation routines for a Baxter Research robot so that it could determine the compressibility of objects, a property difficult to observe with vision alone.

## SKILLS

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- **Programming Languages:** C/C++, Python, C#, Ruby, Java, JavaScript, PHP, and R.
  - **Development Tools:** Vi/Vim, Visual Studio, Sublime Text, Eclipse, RStudio. Git and Heroku.
  - **Languages:** Native speaking proficiency in Mandarin and Taiwanese, proficiency in French and Latin.

## HONORS AND AWARDS

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- Trumbull College Scholarship for Economics '14.
  - Maher Family Scholarship '13 and '14.
  - Trinity Faculty Award, awarded by the faculty upon graduation.
  - Les Pierre Medal for best exemplifying Prep's motto of excellence, integrity, commitment, and courage.