

Kevin Yeh

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EDUCATION

- 9/2008 - 6/2012 **Stuyvesant High School** New York, NY
CS Average: 97.8 | NY Specialized High School Degree

Coursework: *Data Structures, Systems Level Programming, Computer Architecture, Networking, Computer Graphics*
- 8/2012 - 5/2015 **University of Texas at Austin** Austin, TX
G.P.A. 3.94 | Major 4.0 | Bachelor of Science: Computer Science (Anticipated)

Coursework: *Operating Systems: Honors, Discrete Mathematics for CS: Honors, Computational Intelligence in Games Research, Applied Linear Algebra*

Awards: Walter Smith Scholarship and Tuition Exemption, Michael Nord CS Scholarship

WORK EXPERIENCE

- 2/2013 - present **Blastro Networks** | Android Developer Austin, TX
- Updated REST API calls, JSON parsing, and networking procedures for performance and portability to smartphones, tablets, and connected TV.
 - Rebuilt the UI and deprecated code structure using Honeycomb / ICS APIs and libraries.
 - Developed custom resources, swipeable fragments, and variable-width GridViews with headers.
 - Implemented synchronized accounts, playlists, ads, and Facebook integration.

PERSONAL PROJECTS

Languages: Experienced in Java and C/C++ (3+ years), Perl and Ruby (1 year);
Proficient in Python, Netlogo and Scheme.

Technologies: Experienced with Android, OpenGL, HTML5/CSS, JSON, and TCP/UDP.
Proficient with Rails + Ajax, Paypal Adaptive Payments, Swing, and SDL APIs.

- Sept 2013 **Genetic Fractals Research** – study on the evolution of aesthetically-pleasing fractals based on crowd-sourced testing and observational patterns in the mathematical structure of attractor fractals.
- March 2013 **kyeh.me** - a personal website built with the Foundation 4 framework.
- October 2012 **Donation-Z** - an Ebay Hackathon game using PayPal's Adaptive Payments API. Players compete on a weekly leaderboard for the chance to donate all profits of the week to their charity of choice.
- The Graphinator** - a Hack Texas graph visualizer and property finder developed to aid in graph theory education.

ACADEMIC PROJECTS

- March 2013 **Six Degrees of Kevin Bacon**
- Built a Perl script to search through IMDB for the Bacon Number and associated path of any actor.
 - Added additional UI features and strengthened regex matching to be concise and 10% more efficient than the instructor's solution.
- June 2012 **Graphics Engine**
- Built a C graphics engine for rendering 2D curves and 3D shapes with various lighting algorithms.
 - Created a graphical Java Swing port for freehand drawing and transformations.
 - Implemented a motion description language to read and execute animation scripts.
- January 2012 **VizChat (Visual Chat Server)**
- Created a multicast UDP chat server in C based on the concept of avatars walking to different chat rooms across monitors.
 - Visual portions were implemented in SDL, and data transferred over TCP.

SKILLS & ACTIVITIES

- 2008 - 2012 **Stuyvesant's Long Form Improv Troupe** - Experienced in short and long form improvisational games, structures, and techniques.
- 2004 - 2011 **Graphic Design** - Provided illustration and design services to online communities and their forums.