David Solodukhin

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Education

Horace Greeley High School   **Chappaqua, NY**
*Cumulative Un-weighted GPA (Summa Cum Laude): **4.0/4.0***   September 2012 – June 2016

Georgia Institute of Technology   **Atlanta, GA**
Candidate for Bachelor of Science in Computer Science   August 2016 – Present

Work Experience

Advise Technologies   **New York City, NY**
Software Developer Intern   July 2015 – September 2015
   • Designed and set up continuous integration system for the daily build process using PowerShell, MSBuild which was coordinated through TeamCity.
   • Wrote JAVA plugins for TeamCity adding additional automation functionality to the build runner
   • Scripted JScript regression tests using TestComplete and automated QA using TeamCity build process
   • Documented quality assurance test results for main Consensus RMS application

Shapiro Auctions   **New York City, NY**
Intern   July 2014 –August 2014
   • Maintained auction house website; designed simple frontend for upcoming auction preview
   • Created art auction exposition video using Adobe After Effects and Adobe Premiere

Independent Projects

Node.js Collaborative Document Editor   **New York City, NY**
Online Web Application   May 2016 – Present
   • Collaborative document editor written in JavaScript using Node.js middleware utilizing Socket.io library with MySQL server database
   • Application includes ability to save and request docs in storage, modify docs with multiple clients simultaneously; drawing, typing, image/HTML manipulation
   • Application uses EJS as a view engine to render HTML pages and was deployed to a DigitalOcean droplet host.

tinyCar Android Application   **New York City, NY**
Mobile Application   May 2014 – January 2015
   • Successfully deployed a commercial Android physics based game to the Google Play Store
   • Application utilized the LibGDX framework and was written in JAVA using LWJGL

Misc. Projects   **New York City, NY**
   • Launched a math help website utilizing Wolfram Alpha API which received 100k+ hits in 2 days   May 2014 – Present
   • Designed a multithreaded multiplayer networked game in JAVA using AWT and JAVA web sockets
   • Designed and wrote a JAVA based macro compiler using Selenium which could compile and run macros written in my own scripting language
   • HackGT hackathon: Chrome extension to preload webpages, cache link trees for offline use.
   • Wrote a kinematics JAVA physics engine (no torque) with a GUI using Slick2d library
   • Designed advertisement flyers for "Sunrise Care" and "AHS Communities" retirement homes in Photoshop

Skills

Programming Languages: Java, JavaScript, HTML, CSS, SQL, PowerShell, MATLAB, VBScript, Visual Basic
Programming Tools/Technologies: Node.js, Socket.io, JQuery, MySQL, Android SDK, Git, Mercurial, GitHub, Kiln, LWJGL
UnitTest Packages: Selenium, TeamCity, TestComplete, MSBuild
Software: Web Storm, Eclipse, Atom, Excel, MATLAB IDE, Visual Studio, Photoshop, After Effects, Premiere, Cinema 4D, MySQL Workbench, Android Studio
Foreign Language: Russian: Native fluency

Leadership and Extracurriculars

Yellow Jacket Competitive Fencing Team (*Georgia Tech-August 2016-Present***)**
   • USFA rated competitive Epee fencer

School Programming Team Captain/Founder (*Horace Greeley High School-January 2015-June 2016***)**
   • Taught club members basic - intermediate programming techniques and hosted informal GameJam competitions
   • Planned programs for lower and upper classmen.

JAVA and Physics Tutoring (*Horace Greeley High School-January 2014-June 2016***)**
   • Tutored all high school grade levels in JAVA 1 and Physics 1/Physics C curriculum; non-profit.