David Solodukhin
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education	GEORGIA INSTITUTE OF TECHNOLOGY	*Aug 2016 to Present*
	Candidate for Bachelor of Science in Computer Science	
	GPA 3.96/4.00	

experience	ADVISE TECHNOLOGIES - NYC	*July 2015*
	Software Development Engineer Intern, CI and QA Team	*to Sept 2015*

- Maintained and expanded the autonomous continuous integration system for the main developer team.
- Wrote JAVA plugins for TeamCity CI Server, adding additional automation functionality such as email build alerts and detailed logging.
- Scripted specialized regression tests in Jscript using the TestComplete testing suite.
- Documented QA test results.

research	INFORMATION SECURITY 'ANTI-FUZZING' (GEORGIA TECH – Dr. Taesoo Kim)	*Oct 2017 to*
	Undergraduate Researcher	*Present*

- Aided in designing and evaluating novel application anti-fuzzing techniques.
- Wrote LLVM passes in C++ to modify existing Linux executable source code for anti-fuzzing testing/evaluation.
- Compiled modified binaries with Clang
- Wrote specialized Python Scripts to automate executable testing and plot testing statistics

projects

COLLABORATIVE DOCUMENT EDITOR
Node Web App

- Document editor written in Javascript using Node.js middleware supports up to 64 people editing the same document simultaneously. Backed by MySQL server database.
- Users can save draw, type and manipulate images concurrently and save their document.
- Used EJS to render HTML pages that were sent via Node.

TINYCAR APP
Android App
-Deployed a commercial Android physics based game to the Google Play Store
-Application utilized the LibGDX framework and was written in JAVA using LWJGL
OLIVE ENGINE
Networked Game
-Designed a multithreaded multiplayer networked game in JAVA using AWT and JAVA web sockets
-HackGT hackathon: Chrome extension to preload webpages with working links

skills

Java, C, C++, Javascript, Python, x86 Assembly, HTML, CSS, Bash
Tools: Node.js, Socket.io, JQuery, Android SDK, LWJGL, LLVM, Clang
Testing: Selenium, TeamCity, TestComplete, AFL
VC: Git, SVN, Mercurial
DB: MySQL, Firebase
Foreign Lang: Russian – Native Fluency

other

Phi Kappa Theta Fraternity: Assistant I.T. Chair
Yellow Jacket Competitive Fencing Team