

Alexander Lelidis

SOFTWARE ENGINEER · GENERAL COMPUTER SCIENTIST

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“There are two major products that come out of Berkeley: LSD and UNIX. We don't believe this to be a coincidence”

Education

ETH Zurich

MASTER OF COMPUTER SCIENCE

- Study track general computer science

Zurich

Sep. 2012 - Now

Technical University Berlin

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (1.9)

- Exchange program at ETH Zurich
- Thesis: STRUCTURE-AWARE SURFACE RECONSTRUCTION WITH SPARSE MOVING LEAST SQUARES (1.0)

Berlin

Oct. 2012 - Apr. 2016

Werner-von-Siemens Gymnasium

HIGH SCHOOL DIPLOMA (GERMAN ABITUR 2.1)

Berlin

Mai. 2006 - Mar. 2012

Skills

Programming	Python, javascript (ES6), C/C++, Ruby, JAVA, VBA, LaTeX, PHP, Assembler, GLSL, Bash, Opal
Databases	SQL, MongoDB, couchDB, pouchDB
Libraries	AngularJs, Ionic, React (Native), Django, tornado, flask, Redux, React, HTML5, CSS3, Node.JS, leaflet, ros, bootstrap, jquery, Three.js, loadash, axios, yarn, boost, cgal, igl
General	SVG, openGL, webGL OSM, OSG, mapbox, OSRM, CAD
Languages	English, German, Spanish, Bulgarian

Experience

Antavi GmbH

SOFTWARE ENGINEER, INTERN

- Crowd management
- Development of command, control and communications system in react
- GIS data analysis

Zurich, Switzerland

Spring. 2016 - PRESENT

Undergraduate Research, Dept. of Information Technology and Electrical Engineering

RESEARCH ASSISTANT AT IFT

- Mobile crowd analysis
- Development of web based software for crowd analysis (js, python)
- Server implementation
- Web design

Zurich, Switzerland

Fall 2014 - Spring 2016

WeltWeitBau GmbH

SOFTWARE ENGINEER

- Development of software civil engineering informatics (vbs, java, c++)
- Automatisatation of software quality assurance
- Web design and marketing

Berlin, Germany

Fall 2012 - Spring 2016

Extracurricular Activity

B10S (B1t On the Security, Underground hacker team)

CORE MEMBER

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

S.Korea

Nov. 2011 - PRESENT

WiseGuys (Hacking & Security research group)

S.Korea

MEMBER

Jun. 2012 - PRESENT

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

PoApper (Developers' Network of POSTECH)

Pohang, S.Korea

CORE MEMBER & PRESIDENT AT 2013

Jun. 2010 - Jun. 2017

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2013 - Jun. 2017

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

Honors & Awards

INTERNATIONAL

2017	Finalist , DEFCON 25th CTF Hacking Competition World Final	Las Vegas, U.S.A
2014	Finalist , DEFCON 22nd CTF Hacking Competition World Final	Las Vegas, U.S.A
2013	Finalist , DEFCON 21st CTF Hacking Competition World Final	Las Vegas, U.S.A
2011	Finalist , DEFCON 19th CTF Hacking Competition World Final	Las Vegas, U.S.A
2012	6th Place , SECUINSIDE Hacking Competition World Final	Seoul, S.Korea

DOMESTIC

2015	3rd Place , WITHCON Hacking Competition Final	Seoul, S.Korea
2013	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	2nd Award , HUST Hacking Festival	S.Korea
2010	3rd Award , HUST Hacking Festival	S.Korea
2012	3rd Award , Holyshield 3rd Hacking Festival	S.Korea
2011	2nd Award , Holyshield 3rd Hacking Festival	S.Korea
2011	5th Place , PADOCON Hacking Competition Final	Seoul, S.Korea

Presentation

6th CodeEngn (Reverse Engineering Conference)

Seoul, S.Korea

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

6th Hacking Camp - S.Korea

S.Korea

PRESENTER FOR <METASPLOIT 101>

Sep. 2012

- Introduced basic procedure for penetration testing and how to use Metasploit

Writing

A Guide for Developers in Start-up

Facebook Page

FOUNDER & WRITER

Jan. 2015 - PRESENT

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

AhnLab

S.Korea

UNDERGRADUATE STUDENT REPORTER

Oct. 2012 - Jul. 2013

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.

Program Committees

2016	Problem Writer , 2016 CODEGATE Hacking Competition World Final	<i>S.Korea</i>
2013	Organizer & Co-director , 1st POSTECH Hackathon	<i>S.Korea</i>
2012	Staff , 7th Hacking Camp	<i>S.Korea</i>
2012	Problem Writer , 1st Hoseo University Teenager Hacking Competition	<i>S.Korea</i>
2012	Staff & Problem Writer , JFF(Just for Fun) Hacking Competition	<i>S.Korea</i>