Zachary D. **Spilinek**

FILMMAKER · EDITOR

7314 S Union Creek Way Apt. 1C, Midvale, UT 84047

(703) 581-3461 | zach@sputnik.productions | sputnik.productions | sputnik productions

Education

POSTECH(Pohang University of Science and Technology)   *Pohang, S.Korea*

B.S. IN COMPUTER SCIENCE AND ENGINEERING   *Mar. 2010 - PRESENT*

- Got a Chun Shin-Il Scholarship which is given to promising students in CSE Dept.

Experience

PLAT Corp.   *Seoul, S.Korea*

CO-FOUNDER & SOFTWARE ENGINEER   *Jan. 2016 - PRESENT*

- Implemented RESTful API server for car rental booking application(CARPLAT in Google Play).
- Developed the Payments module which connected to major PG(Payment Gateway) companies in Korea.

R.O.K Cyber Command, MND   *Seoul, S.Korea*

SOFTWARE ENGINEER & SECURITY RESEARCHER (COMPULSORY MILITARY SERVICE)   *Aug. 2014 - Apr. 2016*

- Lead engineer on agent-less backtracking system that can discover client device's fingerprint(including public and private IP) independently of the Proxy, VPN and NAT.
- Implemented a distributed web stress test tool with high anonymity.
- Implemented a military cooperation system which is web based real time messenger in Scala on Lift.

NEXON   *Seoul, S.Korea & LA, U.S.A*

GAME DEVELOPER INTERN AT GLOBAL INTERNSHIP PROGRAM   *Jan. 2013 - Feb. 2013*

- Developed in Cocos2d-x an action puzzle game(Dragon Buster) targeting U.S. market. Implemented API server which is communicating with game client and In-App Store, along with two other team members who wrote the game logic, designed game graphics.
- Won the 2nd prize in final evaluation.

Undergraduate Research, Computer Vision Lab(Prof. Bohyung Han)   *Pohang, S.Korea*

RESEARCHER FOR <DETECTING VIDEO'S TORRENTS USING IMAGE SIMILARITY ALGORITHMS>   *Sep. 2012 - Feb. 2013*

- Researched means of retrieving a corresponding video based on image contents using image similarity algorithm.
- Implemented prototype that users can obtain torrent magnet links of corresponding video relevant to an image on web site.

Software Maestro (funded by Korea Ministry of Knowledge and Economy)   *Seoul, S.Korea*

SOFTWARE ENGINEER TRAINEE   *Jul. 2012 - Jun. 2013*

- Performed research memory management strategies of OS and implemented in Python an interactive simulator for Linux kernel memory management.

ShitOne Corp. (Start-up company)   *Seoul, S.Korea*

SOFTWARE ENGINEER   *Dec. 2011 - Feb. 2012*

- Developed a proxy drive smartphone application which connects proxy driver and customer. Implemented overall Android application logic and wrote API server for community service, along with lead engineer who designed bidding protocol on raw socket and implemented API server for bidding.

SAMSUNG Electronics   *S.Korea*

FREELANCE PENETRATION TESTER   *Sep. 2013, Mar. 2011 - Oct. 2011*

- Conducted penetration testing on SAMSUNG KNOX, which is solution for enterprise mobile security.
- Conducted penetration testing on SAMSUNG Smart TV.