

## 연락처

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## 대표 보유기술

Business Model Development  
Technology management  
Materials Science and Engineering

## Honors-Awards

Next Generation Leader Award  
Silver (Best Paper Award)  
Best Paper Award  
Best Oral Award  
Silver

# ILYONG CHOI

Ph.D. | EVP | Venture Capitalist | Global Tech Startup, AI, SaaS, Semiconductor, Energy, Robotics, Blockchain, etc. | ex-SAMSUNG | 대한민국 서울

## 간단프로필

Contoro (Robotics, TX) (Board Member), Hopae (Blockchain, CA) (Board Member), AMOGY (Energy, NY), Silicon Box (Semiconductor, Singapore), Rebellions (Semiconductor, South Korea), Aniai (Robotics, NY), Nonce Classic (Blockchain, South Korea), Cyclewell (Energy, China), Senscomm (Semiconductor, China)

As a Venture Capitalist, I'm going together for realization of cutting-edge technology in this globe.

## Startup

- Developed business model and value chain by market analysis with customer interviews as well as web service and software by collaborating with 6 computer science experts in the fields of machine learning, natural language process, front-end, back-end, etc.
- Organized startup team to provide communication tool for both code-developers and non-code-developers by analyzing code through several criteria and indices and interpreting them to be more comprehensive for each, ultimately for improving quality of their project
- Organized startup team to provide AI analysis service for suggesting more effective approach for solar cell users to be able to maximize their electricity generation by analyzing data based on their information such as location, time, solar cell device spec, etc.

## Ph.D. in Materials Science & Engineering

- Contributed to new approach in semiconductor materials based electrochemical applications by analyzing electron dynamics occurring at the interface of two materials or material/electrolyte and proving chemical reaction mechanism by those electrons

- Granted Global Ph.D. Fellowship for 5 years from National Research Foundation of Korea (2013.03 – 2018.02)

#### Technology Reviews

- Organized +50 technology review seminars on cutting edge technologies and entrepreneurship in both online and offline
- postechtechreview.wordpress.com (total: 38000+ views, 25000+ visitors)
- Shared technology trends and industry issues of AI, cloud, security, mobility, VR & AR, battery, 3D printer, drone, bio, robot, etc.

#### SAMSUNG Electronics

- Developed semiconductor device fabrication process for higher performance and production yield especially for foundry logic devices such as AP, CPU, GPU, modem, etc.

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## 경력

#### SV Investment

3년 9개월

#### Executive Vice President

2024년 6월 - Present (1년 6개월)

Seoul, South Korea

#### Vice President

2022년 3월 - 2024년 5월 (2년 3개월)

Seoul, South Korea

#### Amogy

#### Lead Investor

2024년 12월 - Present (1년)

Brooklyn, New York, United States

#### Hopae

#### Board Member

2024년 9월 - Present (1년 3개월)

San Francisco, California, United States

#### Aniai

#### Investor

2024년 1월 - Present (1년 11개월)  
New York, New York, United States

Contoro Robotics  
Board Member  
2023년 6월 - Present (2년 6개월)  
Austin, Texas, United States

Samsung Electronics  
3년 1개월  
Staff Engineer  
2021년 6월 - 2022년 3월 (10개월)  
Human Resource - Talent Acquisition T/F

Staff Engineer  
2019년 3월 - 2021년 6월 (2년 4개월)

- Developed semiconductor device fabrication process for higher performance and production yield especially for foundry logic devices such as application processor (AP), CPU, graphics processing unit (GPU), modem, etc.
- Contributed to 20% improvement of device performance and production yield through optimizing fabrication process for new device scheme and analyzing chemical reaction mechanism of various slurry on wafer surface in chemical mechanical polishing
- Derived optimized fabrication process condition based on reaction mechanism by proving correlation between different variables through intensive analysis of irregularly mixed data and repeatedly verifying hypothesis for solving a variety of problems

Global Ph.D Fellows Alumni Association  
President  
2019년 5월 - 2019년 12월 (8개월)

- Organized Global Ph.D. Fellows alumni association at first and laid the foundation, hosted +4 events and networking parties

CherryBox (not legally registered)  
Chief Executive Officer  
2018년 3월 - 2019년 2월 (1년)

(not legally registered)

- Organized startup team to provide communication tool for both code-developers and non-code-developers by analyzing code through several

criteria and indices and interpreting them to be more comprehensive for each, ultimately for improving quality of their project

- Developed business model and value chain by market analysis with +80 interviews as well as web service and software by collaborating with 6 computer science experts in the fields of machine learning, natural language process, front-end, back-end, etc.

## POSTECH Creative Entrepreneur Omphalos

Lecturer

2014년 1월 - 2018년 8월 (4년 8개월)

Triple EEE (not legally registered)

Chief Executive Officer

2016년 10월 - 2018년 3월 (1년 6개월)

(not legally registered)

- Organized startup team to provide AI analysis service for suggesting more effective approach for solar cell users to be able to maximize their electricity generation by analyzing data based on their information such as location, time, solar cell device spec, etc.

- Directed business model development with +100 interviews in South Korea and U.S. and sold portable solar charger to potential customers as well as made our own mobile application and PCB module sensor

## POSTECH Technology Review

Director

2016년 3월 - 2018년 2월 (2년)

- Organized +50 technology review seminars on cutting edge technologies and entrepreneurship in both online and offline

- postechtechreview.wordpress.com (total: 38000+ views, 25000+ visitors)

- Shared technology trends and industry issues of AI, cloud, security, mobility, VR & AR, battery, 3D printer, drone, bio, robot, etc.

## AGIT Cafe & Pub

Co-Founder

2016년 3월 - 2018년 2월 (2년)

- Opened our own café & pub with 25 founding members near university for sharing different technology fields' issues and potentials

## Society of Global Ph.D. Fellows

5년

Fellow (Board of Director)  
2013년 3월 - 2018년 2월 (5년)

Granted Global Ph.D. Fellowship from National Research Foundation of Korea  
(2013.03 - 2018.02)

Vice president in Society of Global Ph.D. Fellows  
Board of director in Society of Global Ph.D. Fellows

Vice president  
2016년 1월 - 2016년 12월 (1년)

Renewable Energy Followers  
Member  
2012년 1월 - 2013년 2월 (1년 2개월)

Republic of Korea Army  
Instructor (Sergeant)  
2008년 3월 - 2010년 2월 (2년)

- Served as instructor at Korean Army Training Center instructing military skills  
as well as rules & responsibility for 500+ trainees

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## 학력

Pohang University of Science and Technology  
Ph.D., Materials Science and Engineering · (2013 - 2019)

The George Washington University  
Start Lean Innovation Program Certificate · (2018 - 2018)

Pohang University of Science and Technology  
B.S., Materials Science and Engineering · (2006 - 2013)

Korea National University of Arts  
Winter Program · (2012 - 2012)

University of Westminster  
Summer English Program · (2011 - 2011)