

# Junghoo Kim

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## EDUCATION

**Columbia University**, School of Engineering and Applied Science, New York, NY **August 2018 - May 2020**

*Bachelor of Science – Computer Science - Intelligent Systems Track*

*Relevant Coursework:* Artificial Intelligent, Advanced Programming, Computer Science Theory, Linear Algebra, Prob & Stat

**Sewanee: University of the South**, Sewanee, TN **August 2015 - May 2018**

*Bachelor of Science – Computer Science - Dean's List, Order of the Gown, University Academic Honor Society* **GPA: 3.95**

*Relevant Coursework:* Data Structures, Advanced Algorithms, Computer Organization, Parallel & Distributed Programming, Web Development, Operating Systems, Multimedia Programming, Calculus I-III, Discrete Math, Differential Equation

## SKILLS

**Front End Development:** JavaScript, HTML, CSS, React

**Back End Development:** JavaScript, Python, Java, NodeJS, MySQL, MongoDB, .NET(C#)

**Other:** Linux, Git, bash, JSON, C++, Django, Unity, Hadoop, AWS, NGINX, Apache, Android Studio

**Language:** Korean (fluent), German (conversational)

## EXPERIENCE

**Seoul National University** (Urban Data Science Lab) **Seoul, South Korea**

*Research Assistant (Machine Learning)* **August 2018**

- Developed a Deep Learning project which recognizes and classifies videos using Convolutional Neural Networks with fellow students and professor using Python, TensorFlow, PyTorch, numpy, pandas.

**Korea Creative Economy Innovation Center** (Center for Convergence Security Research) **Gyeonggi, South Korea**

*Software Engineer Internship (Blockchain)* **June 2018 – August 2018**

- Developed Ethereum-based decentralized application using Solidity to write smart contract, Web3.js to create an interface to access smart contract, and JavaScript as front-end; Used Docker to build and run on VM
- Obtained entrepreneurship education for tech startup as well as blockchain expert training

**Local Locker** **Boston, MA**

*Full Stack Developer* **November 2017 – May 2018**

- Designed and developed a website for a start-up company together with a team of 2, started from scratch using HTML, CSS, JavaScript, React, Nodejs, AWS, MongoDB, express, Git, passport, etc.

**University of the South** **Sewanee, TN**

*Web Development Team Leader (Bonner Leaders)* **January 2017 – May 2018**

- Selected to lead a website development team to design and develop websites for local community partners using WordPress, JavaScript (React, Angular, Node), Database (MySQL, MongoDB), AWS, etc.

**University of the South** **Sewanee, TN**

*Research Assistant* **July 2017 – September 2017**

- Conducted research on implementing a small-scale MapReduce system on the Raspberry Pi Cluster by analyzing Phoenix++, WebMapReduce, Google's MapReduce model, Hadoop, TensorFlow, etc.

**University of the South** **Sewanee, TN**

*Information Technology Service Assistant* **August 2015 – May 2018**

- Assisted with all technology related problems, fixed school's electronics, organized and managed library databases

## ACTIVITIES & LEADERSHIP

**Blockchain @ Columbia Officer**, *Columbia University* **October 2018 – Present**

- Nurtures development in the blockchain ecosystem and distributed ledger tech (<https://blockchainatcolumbia.com/>)

**Programming Contest Leader**, *Consortium Computing Sciences in Colleges*

- CCSC: South East, Greenville, SC, *Furman University* **November 3, 2017**
- CCSC: Mid-South, Batesville, AR, *Lyon College* **April 1, 2017**
- CCSC: South East, Asheville, NC, *University of North Carolina* **November 4, 2016**

**Hackathon**

- Georgia Tech*, Atlanta, GA **Fall 2017**
  - Built a web application using Microsoft Azure Cognitive API, Text-Analytics API, and Bing API
- Vanderbilt University*, Nashville, TN **Fall 2016**
  - Built an Android application using Android studio, Java, and USDA Food API