

# Henry Keena

## Full Stack Software Development Engineer

### EDUCATION

**Rochester Institute of Technology, Rochester, NY —**  
*Master of Science (MS), Software Engineering*

August 2021 - May 2023

**Rochester Institute of Technology, Rochester, NY —**  
*Bachelor of Science (BS), Human Centered Computing*

August 2017 - May 2021

### PROFESSIONAL EXPERIENCE

**Amazon.com Inc., Seattle, WA — Software Dev Engineer (L4)**

July 2023 - Present

Amazon.com Inc. Full Stack Software Development Engineer (L4), on the MerchBX team that developed and shipped the MerchOnDemand Configurable Product service, allowing customers to design and order custom merchandise via Amazon's retail site.

**United States Department of Homeland Security, CISA, ESL GCI**  
**Rochester, NY — Software Security Engineer (Contractor)**

December 2022 - May 2023

Software Security Engineer creating confidential security analysis and vulnerability detection tools for the Department of Homeland Security, and Cybersecurity and Infrastructure Security Agency, through the ESL Global Cybersecurity Institute.

**Amazon.com Inc., Seattle, WA — Software Dev Engineer Intern**

May 2022 - August 2022

Full Stack Software Development Engineer Intern for the Merch Buyer's Experience Team at Amazon.com Inc. Developed and deployed customer facing product customization features on the Amazon website.

**Intelleplant LLC, Rochester, NY —**  
*Cofounder, Chief Executive Officer, Lead Project Manager*

September 2019 - January 2023

Cofounder and CEO of Intelleplant LLC, a New York based startup creating automated aeroponics based farming & gardening systems. Raised team from myself and my cofounder, to a team of 8 professionals and engineers, with seed funding provided by the National Science Foundation.

**IBM, Littleton, MA — Full Stack Software Engineer Intern (Data & AI)**

January 2020 - August 2020

Full Stack Software Engineer Intern on the IBM Data & AI Team, building and maintaining internal development tools for IBM Watson AI engineers.

**IBM, Littleton, MA — Full Stack Software Engineer Intern (Cloud)**

May 2019 - August 2019

Full Stack Software Engineer Intern on the IBM Cloud Team, building and maintaining internal development tools for IBM Cloud engineers.

**Connecticut Information Technology Institute (UConn CITI),**  
**Stamford, CT — Information Technology Intern**

July 2016 - August 2016

Information Technology Intern responsible for automating and maintaining classroom and educational software suites for engineering students at the University of Connecticut, Connecticut Information Technology Institute.

### CONTACT INFORMATION

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GitHub: [hkeena98](https://github.com/hkeena98)

LinkedIn: [Henry Keena](#)

Website: <https://hkeena98.github.io/>

### TECHNOLOGIES & FRAMEWORKS

HTML/CSS(Bootstrap), Wordpress, Jira, Trello, Ionic, Capacitor, Maven, Gradle, Cordova, Android SDK, iOS SDK, Git, Jenkins, REST & SOAP APIs, MongoDB, Cloudant, Kubernetes, Docker, AWS(EC2, IoT Core, S3, EMR, CloudWatch, CloudFormation, Lambda, DynamoDB, Rekognition, Comprehend), Microsoft Office Suite, Drupal, Figma, Adobe Creative Suite, LibreOffice Suite, Linux (Ubuntu, Debian, Arch Linux, Manjaro, Fedora, Amazon Linux, RHEL, CentOS)

### PROGRAMMING LANGUAGES

Java, Python (Flask, Django, Pandas, Tensorflow), C/C++, C#, R, JavaScript (jQuery, Node.js, React), PHP, SQL (MySQL, PostgreSQL), Typescript (Angular), Arduino, Lua, Swift, Kotlin, Datapath Query Language

### PERSONAL & COOPERATIVE SKILLS

Excellent Problem Solving Ability,  
Proven Leadership and Project Management,  
Excellent Teamwork and Collaboration,  
Strong Public Speaking and Communication

### NOTABLE OPEN SOURCE PROJECTS

#### InstaBot - 2024

Instagram bot integrating OpenAI large language models to automate large scale personalized messaging of individual followers given specific messaging criteria.

#### preamble\_collector - 2023

MS Capstone Project for automating preambles in source code identifiers

#### TigerOS - 2019

RIT Student focused Linux operating system based on Fedora

#### Muser - 2018

Portable music and media player written using the JavaFX GUI library

### PAPERS & PUBLICATIONS

[Automated Detection and Analysis of Common Preambles and Their Meanings in Source Code Identifiers](#) - 2023

### HONORS & AWARDS

**Eagle Scout, Boy Scouts of America - 2016**