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## EDUCATION

GRINNELL COLLEGE  
Computer Science, 3.63 GPA, Dean's List, Roy Carver and Founder's Scholarships

Class of 2020  
Grinnell, IA

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## WORK EXPERIENCE

PRINCIPAL FINANCIAL GROUP  
*Software Engineering Intern.* May 2018–August 2018  
Productionized a Python library to automate the generation of portfolio commentary files to save analysts four days of work per quarter, integrated with Spring Boot API and Angular web-based portfolio management tools. Refactored and merged two multi-thousand-line Python 2.7 libraries into one Python 3.6 library, reducing complexity in production application. Created a Java library for converting CSV and TXT files into ORC files to save 70% on storage costs on AWS Redshift.

CUNA MUTUAL GROUP  
*Data Scientist.* October 2017–May 2018  
Implemented automated build and release scripts for Microsoft TFS using Python, R, and PowerShell. Decreased build time by 10% and implemented automated lint reporting for python code. Developed statistical models using Python.

GRINNELL COLLEGE  
*Tutor.* August 2016–Present  
Instruct students in Calculus and Statistics. Work individually with students to enhance computational skills and conceptual understanding.  
*Features Editor, Student Newspaper.* Pitch and write articles, design, edit, and publish section.  
*Phonathon Caller.* Contact alumni and parents to develop community and raise funds.

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## ACTIVITIES

GRAMMIEGRAM LLC  
*CEO.* August 2018–Present  
Founded GrammieGram to provide communication technologies for senior citizens and their families. Handle “business side” and lead a team of four engineers.  
See: <https://grammiegram.com>.

HACKATHONS  
February 2017–Present  
*HackISU:* Sound Bytes, Django, JavaScript, <https://devpost.com/software/sound-bytes>.  
*Hack U Iowa:* Save It!, Python, JavaScript, <https://devpost.com/software/registration>.  
Winner, Best FinTech/InsureTech hack.  
*HackISU:* TriMap, JavaScript, HTML/CSS, <https://devpost.com/software/trimap>.  
*Hack GC:* Technical Mentor

STUDENT ENDOWMENT INVESTMENT GROUP  
*Portfolio Manager.* August 2016–Present  
Pitched Activision Blizzard in December 2016, fund purchased \$15000.  
Selected to meet Warren Buffett in Omaha, October 2016. Club webmaster.

GRINNELL FIGHT CLUB  
*Co-founder.* January 2017–Present  
Lead bi-weekly meetings, teach peers martial arts techniques. Facilitate safe and sportsmanly sparring sessions in both boxing and TaeKwonDo.

FARRELL'S US MARTIAL ARTS  
*Third-Degree Black Belt in TaeKwonDo.* 2005–2016