



KIAN WOODS


EXPERIENCED SOFTWARE ENGINEER

CONTACT

kianwoods@email.com 

(123) 456-7890 

Pittsburgh, PA 

[LinkedIn](#) 

EDUCATION

Bachelor of Science
Computer Science
Carnegie Mellon University
2013 - 2017
Pittsburgh, PA

SKILLS

PyCharm
Mercurial
Ruby on Rails
Microsoft SQL Server
Google Cloud Platform
PHPUnit
OpenShift
CircleCI
C++
PyTorch

CERTIFICATIONS

Certified Software
Development Associate (IEEE)

WORK EXPERIENCE

Software Engineer

Duolingo

August 2020 - current / Pittsburgh, PA

- Optimized machine learning algorithms with a C++ library for a **38% boost to the efficiency of language learning models**.
- Employed PyTorch to develop and improve the AI-driven language pronunciation feedback system.
- Used PyCharm as the primary IDE to increase development efficiency for a 27% reduction in bug-fixing time.
- Worked with data science team to integrate machine learning algorithms to improved language model accuracy.

DevOps Engineer

PNC Financial Services

June 2017 - June 2020 / Pittsburgh, PA

- Streamlined deployment process by implementing CircleCI, reducing build times by 34% and increasing deployment frequency by 61%.
- Led a team to migrate the company's database from MySQL to Microsoft SQL and to decrease query times by 21%.
- Developed custom Mercurial hooks to enforce coding standards, **reducing code review time by 13%**.
- Improved software release pipeline security by automating vulnerability scanning and patching.

Software Developer Intern

Vanguard

2016 - 2017 / Remote

- Assisted in refactoring C++ code, helping to cut maintenance by 14% and improving app performance.
- Conducted code reviews under 2 senior developers.
- Helped migrate applications to AWS and Azure, which cut infrastructure costs by 12% and aided application availability.
- Built a custom notification system with JavaScript and WebSocket, increasing user engagement by 23% and improving real-time communication capabilities.