Cameron Hudson

MS Software Engineering
Carnegie Mellon University

✉ CameronHudson8@gmail.com
☎ 484-888-0588
📍 Mountain View, CA
🆎 CameronHudson8.com
in linkedin.com/in/CameronHudson8
○ github.com/CameronHudson8

Summary

- Seeking full-time position in DevOps or back-end development. Available January 2020.
- Experience with full-stack web development, Docker containers, Kubernetes, and Apache Kafka.
- Employs best practices of object-oriented design, including design patterns and SOLID principles.
- Exercises test-driven development and agile software development practices.

Professional Experience

Software Engineering Intern   San Francisco, CA
SFO Airport, Information Technology and Telecommunications   Jun 2019 - Aug 2019
- Supported initial rollout of mobile app backend on AWS Elastic Kubernetes Service.
- Developed on Kubernetes in DevOps style, creating Docker images and Kubernetes resources as necessary.
- Wrote multithreaded acceptance test suite for invocation during continuous integration and deployment.
- Configured Docker images for Kafka Connect, Schema Registry, Postgres to persist Kafka streams to storage.

MS in Software Engineering begins

Chemical Process Engineer 2   Princeton, NJ
Axens North America   Jul 2016 - May 2017
- Automated pressure containment calculations with Visual Basic, improving safety and saving manhours.

Chemical Process Engineer 1   Hampton Township, NJ
Amec Foster Wheeler   Jan 2013 - Mar 2016
- Leveraged Visual Basic to assemble and format 120-sheet Excel file, permitting on-time delivery to client.

Academic Experience

Teaching Assistant   Mountain View, CA
Foundations of Software Engineering, Carnegie Mellon University   Sep 2019 - Dec 2019
- Mentored 3 teams of 4-5 students on their semester-log journeys to produce full-stack web applications.
- Met weekly with each team to discuss iteration progress, observe product demos, and provide feedback.
- Held interactive presentation sessions on tools and practices essential to success in the industry.

Design Patterns Web Applications   Mountain View, CA
Software Architecture and Design, Carnegie Mellon University   Jan 2019 - May 2019
- Studied the 23 canonical design patterns by implementing them in Java with real-world examples.
- Presented assignments, including class diagrams, code, and results, via user-friendly Java Spring web apps.
- Applied design patterns during team project to create an online store from React and Java Play Framework.

Education

MS, Software Engineering, 3.45 GPA   Mountain View, CA
Carnegie Mellon University, Silicon Valley   Aug 2018 - May 2020

BS, Chemical & Biomolecular Engineering, 3.39 GPA   Baltimore, MD
Johns Hopkins University   Sep 2008 - May 2012