Woojin Chae

(201) 400-5515   **mrwoojinc@gmail.com**   **New York, NY**   [**PORTFOLIO**](#)   [**GITHUB**](#)   [**LINKEDIN**](#)

SKILLS

Ruby on Rails, JavaScript, React, Redux, Python, AWS CDA, MySQL, PostgreSQL, D3.js, PHP, MATLAB, Git, Heroku, HTML, CSS, Rspec, Capybara, Cucumber

EXPERIENCE

Applications Engineer   Feb 2020 - Current
Medidata Solutions

- Delivered epics on target dates, spanning multiple core services including database migration, new API endpoints, updates to frontend components, full documentation, and reveal of the feature
- Managed a core full-stack product that over 40 services integrate with, composed of Ruby on Rails, MySQL, JavaScript, jQuery, and Haml, and a React front end UI product
- Provided integration, debugging, and triaging support for all integrators and external contributors of the platform
- Voluntarily created and led an interdisciplinary group to provide hands-on assistance during the on-boarding period for newly hired engineers and cultivated a community to increase the capabilities of each individual by generating a pool of knowledge that extends to entire platform services, which further minimized engineers from getting siloed
- Participated and contributed to daily stand-ups and continually improves processes
- End to end shared ownership of deliverables – including analysis, planning, design, development, test, debug, document, and release to production

Developer   Sept 2017 - Mar 2019
H5 Marketing

- Designed a B2B SaaS product using MVC architecture and administered the development with a team of two developers, a designer, and a content writer
- Saved 20 hours/month of staff time by developing a PHP program incorporated with AWeber and Google Sheet APIs to automate weekly report generation
- Reduced development and debugging time by more than 50% through refactoring the existing system with test-driven development and DRY principles
- Processed a spike of 100 custom form submissions and live transaction data from ClickBank per minute and automated membership creation through webhooks and relational database structure, creating a database that is easy to work with

Research Assistant   Dec 2015 - May 2016
Rutgers University Mechanical and Aerospace Engineering Lab

- Designed and conducted experiments on self-actuating tunable antenna using 3D PDMS polymer printer and EGaIn that tuned itself based on humidity or when it made contact with a liquid

Research Assistant   Sept 2014 - May 2015
Dynamical Systems Laboratory

- Published a paper on IOP Science, in the Journal of Smart Materials and Structures (2015), validating the use of time-resolved PIV to detail the fluid motion and energy near an IPMC vibrating at its fundamental mode using MATLAB

EDUCATION

Full Stack Development - *App Academy | Fall 2019*
A.S. in Computer Science *(C++ & Java)* **-** *Essex County College | 2016 - 2017*
M.Sc. in Mechanical and Aerospace Engineering - *NYU Tandon School of Engineering | 2013 - 2015*
B.S. in Mechanical and Aerospace Engineering - *NYU Tandon School of Engineering | 2010 - 2015*