SAMANTHA VINCI

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EXPERIENCE

BOND.CO

Tech Lead   *August 2017 - Present*
- Oversaw the rollout of "PenStation", a series of microservices that helped automate the fulfillment process in a new factory running 400 robots
- Designed a new system to allow for faster stationery ordering, wrote jira tickets and supervised other developers in the building of that system

Backend Software Engineer   *November 2016 - August 2017*
Built backend services for "PenStation".

WebHook   *Node, MongoDb, Redis, SQS, SNS*
- Sole developer of internal publish-subscribe service that controls all PS traffic, capable of handling over 253,500 messages a day
- Built a custom string interpolator to parse variables from incoming data and dynamically create different payloads for each subscriber
- Built libraries in NPM, Python, and PHP to allow Bond's clients & other teams to interact with WebHook

Conductor   *Node, Socket.io, Redis, Python, RaspberryPi*
- Sole developer of several socket based services that allow operators to send commands to and receive feedback from the robots
- Performed capacity research that helped lead to the final architecture

Batcher   *Node, MongoDb, pdfkit, AWS*
- Sole developer of microservices handling messages sorting, order cancellation, and pdf-generation
- Helped design the communication flow within PenStation

MOAT

Solutions Software Engineer   *August 2016 - November 2016*

TECHNICAL SKILLS

Python	Flask, gunicorn, celery
JavaScript/Node.js	Hapi.js, Express.js, Socket.io, React.js
SQL/NoSQL	MongoDB, PostgreSQL, Mongoose, Sequelize
Bash	Git, shell scripting
Misc	Docker, AWS

SIDE PROJECTS

Wadsworth   *Iot, Hobbyist Hardware Hacking*
- A set of APIs running on internal WiFi network that enable external control of various house tasks
- Twilio integration to text Eufy RoboVac and smart light to turn on/off, Amazon Alexa integration for voice control
- IFTTT geofencing integration to turn on smart light when near home around sunset