

# Sam J. Vitello

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## EXPERIENCE AND PROJECTS

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- itBit** Aug 2015– Present  
*Blockchain Engineer*
- Worked on the Bankchain distributed ledger project which is a blockchain based platform for settling and clearing assets
  - Created wallet application that saves and organizes cryptographic keys and tracks assets on the chain (spent and unspent)
  - Wrote the mempool, the block chain database object backed by RocksDb and the serializable transaction object for assets
  - Used Python Flask framework to build RESTful test driven API
  - Gained strong knowledge of the bitcoin protocol, cryptographic signatures, distributed networks and consensus algorithms
- Maker's Row** June 2015– Sept 2015  
*Software Engineering Intern*
- Worked cooperatively in a team-driven environment to design and develop Maker's Row's web applications
  - Used PHP, Python, Javascript, NodeJS, CSS/LESS, JS, and ReactJS to build out the homepage, store, payments processor and factory plans sign up system
  - Provided SEO contributions configuring apache and nginx servers to safely handle store related HTTP requests
  - Built an internal RESTful service framework
- E-Assist Audio Interface** Sept 2014 – Jan 2015  
*Project Leader*
- Led a small team to create a Java application that is a prototype audio interface meant to assist the elderly and disabled to read, compose and navigate an email account
  - Used Object Oriented principles such as abstract classes and the state pattern along with Java GUI packages to create a functional, responsive prototype
  - Conducted user tests to develop and refactor our design
- EcNow Tech (Corvallis, OR)** Aug 2014 – May 2015  
*Web Developer*
- Organized MySQL database and PHP with AJAX to implement a catalog on a dynamic webpage that allows customers to add items into a shopping cart and place orders with company
  - Designed scripts to format and parse data into searchable categories
  - Communicated and made frequent deadlines with small business entrepreneurs prior to website launch

## EDUCATION

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- University of Oregon, Eugene, OR** Sept 2011 – June 2015  
*Bachelor of Science, Computer Science and Mathematics*
- Overall GPA 3.72, Major GPA 3.98

## SKILLS AND INTERESTS

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- **Programming Tools and Languages:** I am strong using Python, JS, Java, HTML, CSS, and PHP. I am also familiar using C#, C, C++, NodeJS, ReactJS, JQuery, Ansible, SQL and Git.
- **Design & IDE Tools:** Eclipse, PyCharm, VIM, Unity, Maya, Photoshop, Illustrator, QT.
- **Operating Systems:** Experience programming in both Windows and Unix environments. I prefer to develop in a MacOS or Linux environment.
- Avid hiker and outdoor enthusiast. Aspires to summit Mt. McKinley and scuba dive at the Great Barrier Reef one day.