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EDUCATION

Undergraduate:

University of Maryland, Baltimore County *2014-present*
Bachelor of Science in Information Systems

- Current Junior, anticipated graduation Spring 2018.
- Honors College

High School:

Wilde Lake High School *2009-2014*
High School Diploma

- Certificate of Merit with Distinction

EXPERIENCE

Department of Information Technology, UMBC *2015-present*
Web Applications Developer

- Technologies: Ruby, Rails, MPI
- Built multithreaded email analysis tool
- Built various API modules for Rails projects

Department of Information Technology, UMBC *2015*
Systems Administrator

- Technologies: Puppet, CFEngine, Nagios, Zabbix, MariaDB, MySQL, Oracle
- Migrated configuration management from CFEngine to Puppet
- Migrated server monitoring from Nagios to Zabbix
- Set up Oracle and MariaDB databases

The Commons, UMBC *2014-2015*
Technical Support Staff

- Real-time audio visual productions

University of Maryland, Center for Environmental Science *Summer 2013-2014*
Applications Programmer

- Technologies: Node.js, ArcGIS
- Developed ocean current simulation and Chesapeake Bay game in Javascript and Golang for Dr Sook Chung.

University of Maryland, Biotechnology Institute *2008-2013*
Systems Administrator

- Technologies: Perl, MPI, C, Nginx, Ganglia, Condor
- Expanded HaloWeb <halo.umbc.edu> from one genome to twenty plus genomes
- Refactored user interface for responsive design
- Created data visualization tools for multi-database query building
- Managed cross-platform application development
- Built and maintained four RHEL6 servers

PUBLICATIONS

- DasSarma, S.L., Capes, M.C., DasSarma, P. & DasSarma, S. 2010. HaloWeb: the haloarchaeal genomes database. *Aquatic Biosystems* 6:12.
- Capes M.D., Coker J.A., Gessler R., Grinblat-Huse V., DasSarma S.L., Jacob C.G., Kim J.M., DasSarma P. & DasSarma S. 2011. The information transfer system of halophilic archaea. *Plasmid* 65:77-101.

REFERENCES

References upon request.