

# SEAN GILLEN

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Seeking a summer internship  
Availability:  
May 6 – August 16, 2019

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## Skills

- C •C++ •Java •Perl •SQL
- PHP •JavaScript & jQuery •HTML & CSS
- Microsoft Office & VBA •L<sup>A</sup>T<sub>E</sub>X
- Windows & Linux/Unix administration
- Batch •bash •GNU utilities •Git
- Software engineering & design •UML
- Microcontroller systems •VHDL
- Highly willing to learn new technologies

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## Areas of interest

- Full stack development
- Algorithms & runtime optimization
- Data structures & algorithms
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## Contract & per diem experience

- -end web development & front-end maintenance using PHP, SQL, HTML/CSS, JavaScript
- Installation & maintenance of Python-based web applications on a LAMPy stack
- Maintenance & remote administration of a Windows workgroup network
- Management of email and other cloud systems using Google G Suite and Microsoft Office 365

**The Anonymous Press**, Chicago, IL

Remote

2015 2018

- Development of PHP applications integrating order fulfillment & inventory management APIs
- Porting of Classic ASP scripts to PHP and migration of legacy website to a LAMP stack
- Development of a PHP application to migrate data from Microsoft Access to MySQL database
- Maintenance of various PHP and JavaScript applications, including migration to PHP 7
- Development of a PHP application to extract and email sales reports from a SQL database
- Implementation and maintenance of cron jobs to run scripts automatically on central server

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## Education

**The University of Alabama**, Tuscaloosa, AL

Enrolled August 2016

**Bachelor of Science in Computer Science**

expected graduation May 2020

Concentration: **Software Engineering** Minor: **Mathematics** GPA: 3.640 Honors College

- Member of Association for Computing Machinery chapter & competitive programming club
- Application development in C, C++, and Java; algorithm and API design and implementation
- Embedded application development in C and PIC24 assembly; microcontroller programming
- Database design including EER modeling and relational algebra & administration with SQLite
- Algorithms and data structures; runtime & resource usage optimization; OS & compiler design