Rion Gronberg

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Education

Bachelors of Science in Computer Science

University of California Santa Cruz, June 2017

Cumulative GPA: 3.91

Experience

Senior Software Engineer   Jun 2018 – Nov 2024

Ciena Corporation, Petaluma, CA

Optical networking systems and services company that provides solutions for high-speed data transmission

- Contributed to modem API software to facilitate integration of the modem hardware into products within the Ciena portfolio
- Designed, implemented, and maintained host-emulation platform to facilitate the development of the modem API
- Designed, implemented, and maintained traffic provisioning engine for Waveserver Ai and Waveserver 5 platforms
- Designed, implemented, and maintained build regression and testing system for Waveserver Ai and Waveserver 5 platforms

Software Engineer   Aug 2017 – May 2018

Aether (Defunct), San Francisco, CA

Bio-printing start-up manufacturing printers with the capability of using up to 24 tools simultaneously

- Adapt open source 3D printing slicer to generate custom G-code to be read by Aether1 bio-printer
- Design for extensible tool configuration, print options, and settings when slicing 3D models for Aether1 bio-printer
- Built utility to automatically generate tool paths for ultraviolet LED to cure printed model evenly

Skills

- Programming languages: Python, C, C++, C#, Java, JavaScript, Bash, Arduino
- Operating systems: macOS, Linux, Windows
- Designing and developing software and firmware
- Automated testing
- Git version control
- Yocto build system
- Software documentation
- Embedded ESP8266 design and development
- Embedded ARM design and development
- Circuit design
- EDA schematic capture
- EDA PCB layout
- Oscilloscope
- Logic analyzer
- TCP/IP programming
- I2C