

Location:

High-Tech Park, Shenzhen, China;

Education Requirement:

Master or Ph.D. degree, in engineering or science field, e.g. Optics, Physics, Mathematics, Computer Science, Electrical Engineering;

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Job BC-001, Software Quality Assurance Engineer (软件测试工程师)

As a software quality assurance (SQA) engineer, you will be responsible for designing, developing, and executing software test plan, test cases and testing tools that are leading the way in assuring high quality of Brion's world-class product. You will be challenged with systematic QA testing methodologies in concurrent computing software architecture environment.

Roles and Responsibilities:

- Play a major role to improve quality, functionality, reliability and usability of software products
- Design, develop and execute comprehensive test plan with systematic QA methodology
- Test product based on software engineering knowledge and/or semiconductor knowledge

Job requirements:

- Master degree, in engineering or science field, e.g. Mathematics, Computer Science, Software, Electrical Engineering, Physics or any related engineering;
- Skillful with one programming language at least
- Excellent problem solving and trouble shooting skills
- Detail-oriented, process-driven, patient & positive attitude under stress
- Excellent teamwork and good communication skills

Desire but not required

- Skillful with automated testing tools, know automation framework
- Experience in Cross-Platforms (Unix/Windows) application testing environment
- Knowledge in semiconductor lithography, semiconductor manufacturing, and IC design
- Good understanding of operating system, relational database, concurrent computing, client/server architecture, network protocols, and file system management

Job BC-002, Application Software Engineer (软件开发工程师)

As an application software engineer (ASE), you will be responsible for designing, developing and testing software programs including graphic user interface (GUI), database mapping/connectivity, network protocols, and other wide range of applications. You will communicate and collaborate with other development team members in developing new products and functions while complying with Brion's software development processes and procedures. You will be challenged with identifying problems and developing robust solutions that are based on state of the software technologies.

Roles and Responsibilities:

- Perform design and code development for general applications such as GUI, script, system management software.

Job requirements:

- Master degree in engineering or science field, e.g. Mathematics, Computer Science, Software, Electrical Engineering;
- Proficiency in C/C++ or Java, familiarity with UNIX/Linux or Windows environments programming
- Solid knowledge on data structure and algorithm
- Problem analyzing and solving skills, enjoy computer software programming as a profession
- Excellent teamwork and good communication skills

Desired but not required:

- Familiarity with Scripting languages (sh, perl, python, lua, etc.)



- Familiarity with network programming, graphics programming, or DB programming
- Knowledge in semiconductor lithography and IC design
- Knowledge about agile programming practices

Job BC- 003, Product Engineer (产品工程师)

As a product engineering group (PEG) member, you will act as a technical liaison between customers and R&D. You will be responsible for providing technical support to the field application engineers and customers. This role requires the individual to work between various organizations and play a key role in shaping and directing product growth and development.

Roles /Responsibilities:

- Play a key role in product qualification testing and provide evaluation reports based on customer's requirements
- Perform new functionality feasibility study and prototype testing
- Perform world-wide customer support and participate in customer engagement activities
- Create technical documentation for special applications and their usage

Job requirements:

- Master or Ph.D. degree graduating from top universities, with solid knowledge in mathematics or physics or optics.
- Basic knowledge of software engineering and computer programming
- A good team player with strong interpersonal skills
- Excellent communication and presentation skills
- Fluent speaking English

Desired but not required:

- Familiarity with UNIX environment, C/C++, scripting languages, databases
- Familiarity and experience with computer systems and computer networks
- Solid training and knowledge in mathematics or optics or physics
- Knowledge in semiconductor lithography, semiconductor manufacturing, and IC design
- Especially welcome the applicant who has the experience of Advanced Process Control (APC) in the FAB.

Job BC- 004, Product Engineer (Korean Speaking)

(产品工程师 韩语)

As a product engineering group (PEG) member, you will act as a technical liaison between customers and R&D. You will be responsible for providing technical support to the field application engineers and customers. This role requires the individual to work between various organizations and play a key role in shaping and directing product growth and development.

Roles /Responsibilities:

- Perform new functionality feasibility study and prototype testing
- Play a key role in product qualification testing and provide evaluation reports based on customer's requirements
- Perform world-wide customer support and participate in customer engagement activities
- Create technical best practice flow and documentation for special applications

Job requirements:

- Basic knowledge of software engineering and computer programming
- Attention to details
- Excellent communication skills in English, both writing and speaking
- Fluent in Korean

Desired but not required:

- Familiarity with UNIX environment, C/C++, scripting languages, databases
- Solid training and knowledge in mathematics or optics or physics
- Familiarity and experience with computer systems and computer networks
- Knowledge in semiconductor lithography, semiconductor manufacturing, and IC design

Job BC-005, Algorithm Engineer (算法工程师)

As an algorithm research and development (R&D) team member, you will be responsible for designing, developing and testing algorithms that turn general requirement definitions into functioning software product. You will communicate and



collaborate with other development team members in developing new products and functions while complying with Brion's software development processes and procedures. You will be challenged with identifying problems and design robust solutions that are based on state of the art algorithm and software technologies.

Roles /Responsibilities:

- Develop and maintain computational lithography modeling and architecture codes in C/C++;
- Take on research, modeling and simulation of the physical process of lithography;
- Optimize codes and algorithm;
- Provide technical support of our products for world-wide customers.

Job requirements:

- Master or Ph.D. degree in engineering or science field, e.g. Mathematics, Physics, Computer Science, Software, Electrical Engineering;
- Proficiency in C/C++;
- Knowledge of numerical computation;
- Strong analytical skills and high creativity;

Desired but not required:

- Familiarity with UNIX environment, scripting languages
- Knowledge in semiconductor lithography and IC design
- Solid training and knowledge in mathematics, optics or physics